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The elements are given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C_1 group, C_2 group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

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CH_2I_2 Methylene iodide, preparation of (PERKIN and SCARBOROUGH), 1408.

CH_2S_2 Trithiocarbonic acid, salts of (YEOMAN), 38.

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$CHO.N_2$ Nitroform, preparation of halogen derivatives of (MACBETH and PRATT), 354; colorations produced by substituted derivatives of (GRAHAM and MACBETH), 1362.

$CH_3.N_2S$ Thiocarbamide, additive compounds of azonium iodides with (SINGH and LAL), 210.

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$O_4.N_2Cl$ Chlorotrinitromethane (MACBETH and PRATT), 354.

C_2 Group.

H_2 Acetylene, explosion of nitrogen and (GARNER and MATSUNO), 1903; action of mercuric chloride with (JENKINS), 747.

H_2 Ethylene, propagation of flame in mixtures of air and (CHAPMAN), 1677; action of sulphur monochloride with (MANN, POPP, and VERNON), 634.

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C_2H_4O Acetic acid, equilibrium of aniline with (O'CONNOR), 400; additive compounds of, with benzene and 4'-dimethylamino-2-hydroxydistyryl ketone (HEILBRON and BUCK), 1511.

C_2H_5I Ethyl iodide, velocity of reaction of sodium β -naphthoxide and (COX), 149.

C_2H_5O Ethyl alcohol, additive compound of 4'-dimethylamino-2-hydroxy-distyryl ketone with (HEILBRON and BUCK), 1510.

$C_2H_{11}N$ Diethylamine, action of ethyl nitrate on (GIBSON and MACBETH), 441.

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$C_2H_3O_2Cl$ Dichloroacetic acid, preparation of esters of (CROMPTON and TRIFFITT), 1874.

$C_2H_4Cl_2As$ β -Chlorovinylidichloroarsine (GREEN and PRICE), 451.

C_2H_5ONa Sodium ethoxide, action of carbon tetrachloride with (INGOLD and POWELL), 1228.

$C_2H_5O_2N$ Ethyl nitrate, preparation of (HERWORTH), 254; action of diethylamine on (GIBSON and MACBETH), 441.

$C_2H_5Br_2Sn$ Ethylstannic tribromide (DRUCE), 761.

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$C_2H_5O_2Sn$ Ethylstannic acid, and its salts (DRUCE), 758.

$C_2H_5O_2S$ Ethyl hydrogen sulphate, equilibrium of the formation of (DUNN-CLIFF and BUTLER), 1384; potassium salt, dimorphism of (HAMMICK and MCELALY), 1802.

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$C_2H_3O_2ClBr$ Chlorobromoacetic acid, preparation of esters of (CROMPTON and TRIFFITT), 1874.

$C_2H_3O_2ClS$ Chloroethanesulphonic acid, sodium salt (BENNETT), 420.

 C_3 Group.

C_2H_4 Propylene, action of sulphur monochloride on (COFFEY), 94.

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C_3H_7Cl Allyl chloride, preparation of (COFFEY and WARD), 1805.

C_3H_8O Acetone, action of ammonia on (PATTERSON and McMILLAN), 269.

Allyl alcohol, preparation of (COFFEY and WARD), 1303.

$C_3H_7O_2$ Ethyl formate, influence of neutral salts on the hydrolysis of (MANNING), 2079.

Methyl acetate, rate of hydrolysis of (BURROWS), 1798.

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$C_3H_7O_2Na$ α -Sodium glyceroxido (FAIRBOURNE and TOMS), 1035.

C_3H_7IAs Methyl ethyl iodocarsine (BURROWS and TURNER), 433.

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- $C_2H_2O_2N_2Br$ Bromomalenamamide (BACKES, WEST, and WHITELEY), 364.
 $C_2H_2O_2ClS$ Chloropropanesulphonic acid, barium salt (COFFEY), 96; (POPE and SMITH), 398.

C_4 Group.

- $C_4H_8O_2$ Allyl formate, preparation of (COFFEY and WARD), 1303.
 $C_4H_6O_4$ Tartaric acid, decomposition of, by heat (CHATTAWAY and RAY), 34; complex enpic salts of (PACKER and WARR), 1348.
 $C_4H_8O_2$ Ethyl acetate, additive compound of 4'-dimethylamino-2-hydroxy-distyryl ketone with (HEILBRON and BUCK), 1510.
 $C_4H_{10}O$ Ethyl ether, solubility of, in solutions of sodium chloride (THORNE), 262.

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- $C_4H_4Cl_2As$ $\beta\beta'$ -Dichlorodivinylchloroarsine (GREEN and PRICE), 452.
 $C_4H_6OCl_2$ $\alpha\beta$ -Dichlorovinyl ethyl ether, preparation of dichloro- and chloro-bromo-acetates from (CROMPTON and TRIFFITT), 1874.
 $C_4H_6ON_3$ *cyclo*Propanonesemicarbazone (INGOLD), 329.
 $C_4H_6Cl_2S$ $\beta\beta'$ -Dichlorodiethyl disulphide (BENNETT), 418.
 $C_4H_6Cl_2S_3$ $\beta\beta'$ -Dichlorodiethyl trisulphide (MANN, POPE, and VERNON), 638.
 $C_4H_{11}OTl$ Thalliumdiethyl hydroxide, salts of (GODDARD), 675.

4 IV

- $C_4H_8O_2N_2S$ *N*-Sulphidobisacetamide (NAIK), 1167.
 $C_4H_8O_2N_2Br$ Bromomalondimethylamide (BACKES, WEST, and WHITELEY), 365.
 $C_4H_9O_2ClS$ β -Chlorobutane- γ -sulphonic acid, barium salt (POPE and SMITH), 399.
 $C_4H_8O_2Te_2$ Diiodotetramethylditelluronium oxide (VERNON), 691.

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- $C_4H_8ONCl_2Co$ *trans*-Dichlorodiethylenediaminecobaltic hydroxide, salts of (DUFF), 1987.

C_5 Group.

- $C_5H_8O_4$ Δ^2 -*cyclo*Propene-1:2-dicarboxylic acid (FARMER and INGOLD), 2015.
 C_5H_8N Pyridine, additive compound of 4'-dimethylamino-2-methoxydistyryl ketone phenylhydrazone with (HEILBRON and BUCK), 1520.
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 $C_5H_{11}N$ Piperidine, action of, on alkyl nitrates (GIBSON and MACBETH), 438; action of, on silicon organic compounds (KIPPING and SANDS), 848.

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- $C_5H_8O_2Br$ 1-Bromocyclopropane-1:2-dicarboxylic acid, and its salts (INGOLD), 325.
 $C_5H_8O_2N_4$ 4-Nitro-3:5-dimethylisoxazole (MORGAN and BURGESS), 699.
 $C_5H_8O_2Br_2$ Dihromoglutaric acids (INGOLD), 317.
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- $C_2H_4O_2N_2$ 3:5-Dimethylisoxazole-4-diazonium hydroxide, salts of (MORGAN and BURGESS), 702.
 $C_2H_4ON_2$ 4-Amino-3:5-dimethylisoxazole, and its hydrochloride (MORGAN and BURGESS), 700.
 $C_5H_{15}O_2N$ Choline, crystalline, preparation of (DUDLEY), 1260.

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- $C_6H_5ON_3Fe$ Nitroprussic acid, and its salts (BURROWS and TURNER), 1450.
 C_6H_5ONI 4-Iodo-3:5-dimethylisoxazole (MORGAN and BURGESS), 1547.
 $C_6H_5O_2Br_2Te$ Tellurium acetylacetone dibromide (MORGAN and DREW), 616.
 $C_6H_5O_2I_2Te$ Tellurium acetylacetone di-iodide (MORGAN and DREW), 617.
 $C_6H_5O_2N_2S_2$ Dithiomesoxodimethylamide (NAIK), 384.

C₆ Group.

- C_6H_6 Benzene, adsorption of, by charcoal (BAKER and KING), 454; chlorination of, with sulphuryl chloride (SILVERHEAD), 2029; additive compound of 4'-dimethylamino-2-hydroxydistyryl ketone with (HEILBRON and BUCK), 1510.
 C_6H_{12} β -Ethyl- Δ^2 -butylene (KOS), 521.

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- $C_6H_4O_2$ *p*-Benzoquinone, additive compound of 4'-dimethylamino-2-hydroxydistyryl ketone with (HEILBRON and BUCK), 1511.
 C_6H_4O Phenol, additive compound of 4'-dimethylamino-2-hydroxydistyryl ketone with (HEILBRON and BUCK), 1511.
 C_6H_5N Aniline, equilibrium of acetic acid with (O'CONNOR), 400; velocity of reaction of ω -bromoacetophenone and (COX), 145.
 $C_6H_8O_2$ Methoxycyclopropane-1:2-dicarboxylic acid, and its silver salt (INGOLD), 327.
 $C_6H_{10}O_4$ β -Glucosan, preparation and relationships of (IRVINE and OLIPHANT), 1744.
 α -Methoxyglutaric acid, and its silver salt (INGOLD), 320.
 $C_6H_{11}N_3$ 4-8-Methylaminoethylglyoxaline, and its salts (FARGHER and PYMAN), 734.
 $C_6H_{12}O_6$ Dextrose, mutarotation of, and its catalysis by metals (GARNER and JACKMAN), 1936.
 $C_6H_{12}N_6$ Hexamethylenetetramine, compounds of, with metallic salts and acids (RÄV and SARRAN), 390.

6 III

- $C_6H_3O_2N_3$ *s*-Trinitrobenzene, additive compounds of, with 4'-dimethylamino-2-hydroxydistyryl ketone and 4'-dimethylamino-2-methoxydistyryl ketone (HEILBRON and BUCK), 1511.
 $C_6H_3O_2N_3$ Picric acid, preparation of (KING), 2105; equilibrium of 5-phenyl-acridine with (BASSETT and SIMMONS), 418.
 $C_6H_3O_{12}Fe$ Ferrioxalic acid, potassium salt (THOMAS), 1140.
 $C_6H_3O_2N_2$ *m*-Dinitrobenzene, additive compounds of, with 4'-dimethylamino-2-hydroxydistyryl ketone and 4'-dimethylamino-2-methoxydistyryl ketone (HEILBRON and BUCK), 1511.
 $C_6H_3O_2N_2$ Dinitrophenols, influence of position on the solubility and volatility of (SIDGWICK and ALDOUS), 1001.
 $C_6H_3O_2N$ Nitrophenols, influence of position on the solubility and volatility of (SIDGWICK and ALDOUS), 1001.
 $C_6H_5Br_2Bi$ Phenyl dibromobismuthine, preparation of (CHALLENGER and ALLPRESS), 919.
 $C_6H_5O_2N_2$ Nitroanilines, solubility and volatility of (SIDGWICK and REINE), 1013.

- C_6H_5NCl Chloroanilines, solubility and volatility of (SIDGWICK and RUBIE), 1013.
 $C_6H_5Cl_3As$ $\beta\beta'\beta''$ -Trichlorotrivinylarsine (GREEN and PRICE), 452.
 C_6H_5ON β -Benzildioxime (ATACK and WHINVATES), 1184.
 β -Phenylhydroxylamine, preparation of, from nitrobenzene (LAPWORTH and PEARSON), 765.
 $C_6H_4O_2Br_2$ Dibromoadipic acids (PERKIN and ROBINSON), 1392.
 $C_6H_4O_2I_2$ Di-iodoadipic acids (INGOLD), 964.
 C_6H_5NI Methylpyridinium iodide, mercuri-iodide of, and its crystallography (PORTER), 1770.
 $C_6H_5N_2S_4$ Methyl bismethyldithiocarbamate (LOSANITCH), 765.
 $C_6H_5Cl_2S$ $\beta\beta'$ -Dichlorodi-*n*-propyl sulphide (COFFEY), 97; (POPE and SMITH), 397.
 $C_6H_5Cl_2S_2$ Ethylene bis- β -chloroethyl sulphide (BENNETT and WHINCOPE), 1862.
 $C_6H_5O_2S$ $\beta\beta'$ -Dihydroxydi-*n*-propyl sulphide (COFFEY), 95.
 $C_6H_5O_2S_2$ Ethylene bis- β -hydroxyethyl sulphide (BENNETT and WHINCOPE), 1862.

6 IV

- C_6H_5ONCl *o*- and *m*-Chloronitrosobenzenes (HAWORTH and LAPWORTH), 772.
 $C_6H_5O_2NS$ 6-Nitrophenol-*o*-sulphonic acid, and its salts (KING), 1417.
 C_6H_5ONCl *m*-Chlorophenylhydroxylamine (HAWORTH and LAPWORTH), 773.
 $C_6H_5O_2N_2Cl$ 2-Chloro-5-nitrophenylhydrazine (PERKIN and PLANT), 1837.
 $C_6H_5O_2N_2S$ Nitroaminophenol-*o*-sulphonic acids (KING), 1418.
 $C_6H_5O_2NS$ 6-Aminophenol-*o*-sulphonic acid (KING), 1417, 1417.
 $C_6H_5O_2N_2S$ 4:6-Diaminophenol-*o*-sulphonic acid (KING), 1419.
 $C_6H_5O_2I_2Te_2$ Di-iodohexamethyltritellurium dioxide (VERNON), 690.

6 V

- $C_6H_5O_2NSAs$ 3-Amino-4-hydroxy-5-sulphinophenylarsinic acid (KING), 1113.
 3-Amino-4-hydroxy-5-sulphophenylarsenious acid (KING), 1420.
 $C_6H_5O_2NSAs$ 3-Amino-4-hydroxy-5-sulphophenylarsinic acid (KING), 1114.

C₇ Group.

- C_7H_8 Toluene, sulphonation of, with chlorosulphonic acid (HARRING), 1261.

7 II

- C_7H_6O Benzaldehyde, condensation of *m*-dimethylaminophenol with (KRISHNA and POPE), 286.
 $C_7H_6O_2$ Salicylaldehyde, additive compounds of 4'-dimethylamino-2-hydroxy-distyryl ketone with (HEILBRON and BECK), 1512.
 $C_7H_6O_3$ Gallic acid, condensation of chloral with (ALIMCHANDANI and MELNEM), 201.
 $C_7H_5Cl_2$ *m*-Chlorobenzyl chloride (KENNER and WITHAM), 1450.
 $C_7H_6O_2$ Dimethylpyrone, action of iodine and barium hydroxide on (COLLIE and REILLY), 1550.
 $C_7H_6O_3$ Anhydro-acid from methanetriacetic acid (INGOLD), 353.
 $C_7H_5N_3$ 1:1-Dimethylcyclopropane-2:3-dicarboxylonitrile (BIRCH, GOUGH, and KOX), 1322.
 $C_7H_6O_4$ *cis*- and *trans*-1:1-Dimethylcyclopropane-2:3-dicarboxylic acids (BIRCH, GOUGH, and KOX), 1322.

- $C_7H_{10}O_4$ Methanetriacetic acid, preparation of (INGOLD), 352.
 $C_7H_{12}O_4$ Diethyl malonate, sodium derivative, condensations of $\alpha\beta$ -unsaturated esters with (INGOLD and POWELL), 1976.

7 III

- $C_7H_5O_2N_3$ Nitro-3-keto-1:3-dihydroindazoles, and their sodium salts (KENNER and WITHAM), 1055.
 $C_7H_5O_2N_6$ 2:4-Dinitro-*m*-tolylazoimide (BRADY and BOWMAN), 898.
 $C_7H_5O_2N_4$ 2:4:6-Trinitrotoluene, additive compound of 4'-dimethylamino-2-hydroxydistyryl ketone with (HEILBRON and BUCK), 1511.
 $C_7H_5O_2N_5$ Trinitrophenylmethylnitroamine (*tetryl*), thermal decomposition of (HINSHELWOOD), 722.
 $C_7H_5O_2N_6$ Trinitrohydroxyphenylmethylnitroamine, thermal decomposition of (HINSHELWOOD), 722.
 $C_7H_5O_2N_4$ 4-Nitro-1-hydroxymethyl-1:2:3-benzotriazoles (BRADY and BOWMAN), 898.
 $C_7H_5O_2N_9$ 2:4-Dinitrotoluene, additive compound of 4'-dimethylamino-2-hydroxydistyryl ketone with (HEILBRON and BUCK), 1511.
 Dinitrotoluenes, partial reduction of (BURTON and KENNER), 1047.
 $C_7H_5ON_3$ 5-Amino-3-keto-1:3-dihydroindazole, and its hydrochloride (KENNER and WITHAM), 1056.
 $C_7H_5O_2N_3$ Nitroformaldehydephenylhydrazones, tautomerism of (SINGWICK and EWBANK), 491.
 $C_7H_5O_2I$ Substance and its salts, from dimethylpyrone, barium hydroxide, and iodine (COLLIE and REILLY), 1553.
 $C_7H_5NS_2$ Phenylthiocarbamic acid, hydrazine salt (LOSANITCH), 765.
 $C_7H_5Cl_2Bi$ *p*-Tolyldichlorobismuthine (CHALLENGER and ALLPRESS), 917.
 $C_7H_5O_2N_2$ 2-Nitro-*m*-toluidine (BURTON and KENNER), 1052.
 $C_7H_5O_2N_4$ Dinitrotolylhydrazines (BRADY and BOWMAN), 894.
 $C_7H_5O_2Br_2$ *cis*-1:3-Dibromocyclopentane-1:3-dicarboxylic acid (PERRIN and SCARBOROUGH), 1407.
 $C_7H_5N_2S_2$ Phenylthiocarbazine acid, hydrazine salt (LOSANITCH), 765.
 $C_7H_5O_2N$ Caronimide (BIRCH, GOUGH, and KON), 1322.
 $C_7H_5N_2Cl$ 2-Chloro-3:4-tolylenediamine (MORGAN and GLOVER), 1706.
 $C_7H_5ON_2$ *m*-Methoxyphenylhydrazine (KERNACK, PERRIN, and ROBISON), 1640.
 $C_7H_{10}ON_3$ 4-Acetylamino-3:5-dimethylisoxazole (MORGAN and BURGESS), 701.
 $C_7H_5O_2Br_2$ Methyl $\alpha\alpha'$ -dibromoglutarate (INGOLD), 317.
 $C_7H_{10}NI$ Ethylpyridinium iodide, mercuri-iodide of, and its crystallography (PORTER), 1770.
 Methyl- α -picolinium iodide, mercuri-iodide of, and its crystallography (PORTER), 1772.
 $C_7H_{11}O_2N_4$ *dl*- α -Methylamino- β -glyoxaline-4-propionic acid, and its salts (FARGHER and PYM), 736.
 $C_7H_{11}O_2N$ Ethyl α -carbamylcrotonate (GUPTA), 303.
 $C_7H_5O_2N_3$ Glycylcholine, and its salts (DUDLEY), 1256.

7 IV

- $C_7H_5O_2N_2Cl$ 3-Chloro-5-nitroindazole (KENNER and WITHAM), 1057.
 $C_7H_5O_2NCl$ α -Chlorodinitrotoluenes (MORGAN and JONES), 187.
 $C_7H_5O_2Cl_2S$ 2:6-Dichloro-*p*-toluenesulphonyl chloride (DAVIES), 872.
 $C_7H_5O_2N_2Cl$ 3-Chloro-2:4-dinitrotoluene (BRADY and BOWMAN), 897.
 α -Chlorodinitrotoluenes (MORGAN and CHALLENGER), 1537; (MORGAN and GLOVER), 1700.

- $C_6H_4O_2N_2I$ 3-Iodo-2,4-dinitrotoluene (BRADY and BOWMAN), 897.
 $C_6H_4ON_2Cl$ 4-Chloro-1-hydroxy-5-methyl-1,2,3-benzotriazole, and its hydrazine salt (MORGAN and GLOVER), 1705.
 C_6H_4ONCl *p*-Nitrobenzyl chloride, condensation of nitroso-compounds with (BARROW and GRIFFITHS), 212.
 $C_6H_4O_2Cl_2S$ 2-Chloro-*p*-toluenesulphonyl chloride, preparation and nitration of (DAVIES), 860.
 6-Chloro-*o*-toluenesulphonyl chloride (DAVIES), 878.
 C_6H_4ONCl 2-Chloro-5-nitro-*p*-cresol, and its salts (DAVIES), 866.
 $C_6H_4O_2Cl_2S$ 2,6-Dichloro-*p*-toluenesulphonic acid, and its salts (DAVIES), 872.
 $C_6H_4O_2N_2Cl$ 2-Chloro-3,5-dinitro-*p*-toluidine (DAVIES), 868.
 C_6H_4NClBr 6-Chloro-2,4-dibromo-*m*-toluidine (DAVIES), 866.
 $C_6H_4O_2N_2Cl$ 2- and 6-Chloro-4-nitro-*m*-toluidines (MORGAN, CHALLENGER, and JONES), 1544; (MORGAN and GLOVER), 1704.
 $C_6H_4O_2ClS$ *o*- and *p*-Toluenesulphonyl chlorides, melting points of mixtures of (HARDING), 260.
 $C_6H_4O_2ClS$ 6-Chloro-*o*-toluenesulphonic acid, and its salts (DAVIES), 879.
 $C_6H_4O_2Cl_3Te$ Tellurium *O*-ethylacetylacetone trichloride (MORGAN and DREW), 813.
 $C_6H_4O_2N_2Br_2$ Dibromomalondithethylamide (BACKES, WEST, and WHITELEY), 367.
 $C_6H_4O_2N_2Br$ Bromomalondithethylamide (BACKES, WEST, and WHITELEY), 365.

7 V

- $C_6H_4O_2NCIS$ 6-Chloro-*o*-benzoic acid (DAVIES), 880.
 $C_6H_4O_2NCl_2S$ Chloronitro-*o*- and *p*-toluenesulphonyl chlorides (DAVIES), 864, 870, 884.
 $C_6H_4O_2NCIS$ Chloronitro-*o*- and *p*-toluenesulphonic acids, and their salts (DAVIES), 865, 870, 884.
 $C_6H_4O_2NCl_2S$ 2,6-Dichloro-*p*-toluenesulphonamido (DAVIES), 872.
 $C_6H_4O_2N_2ClS$ Chloronitro-*o*- and *p*-toluenesulphonamides (DAVIES), 865, 870, 884.
 $C_6H_4O_2NCIS$ 6-Chloro-*o*-toluenesulphonamide (DAVIES), 879.
 $C_6H_4O_2NCIS$ 6-Chloro-*m*-toluidine-4-sulphonic acid (DAVIES), 865.

C₈ Group.

- C_8H_{16} 1,1-Dimethylcyclohexane from methylheptenone (CROSSLEY and RENOUF), 271.

8 II

- $C_8H_8O_4$ Carboxymethanetriacetic dianhydride (INGOLD and POWELL), 1873.
 $C_8H_8O_2$ Anisaldehyde, additive compound of 4'-dimethylamino-2-hydroxy-distyryl ketone with (HEILBRON and BUCK), 1512.
 Phenyl acetate, action of sodium on (FERKIN), 1284.
 $C_8H_8O_2$ Cresotic acids, condensation of chloral with (ALIMCHANDANI and MELDRUM), 201.
 $C_8H_8N_2$ 6-Amino-5-methylindazole (PEARMAN), 718.
 $C_8H_{10}O_6$ Lactone of *β*-hydroxy-*β*-methylbutane-γ,δδ-tricarboxylic acid (BIRCH, GOUGH, and KON), 1323.
 cis- and *trans*-cyclopentane-1:2:3-tricarboxylic acids, synthesis and resolution of (FERKIN and ROBINSON), 1392.
 $C_8H_{10}O_8$ *n*-Butane-α,β,γ,δ-tetracarboxylic acid (INGOLD), 348.

- $C_8H_{10}O_8$ Carboxymethanetriacetic acid, and its salts (INGOLD and POWELL), 1869.
 $C_8H_{11}As$ Phenylldimethylarsine, additive compounds of, with arsenic and phosphorus iodides, and metallic iodides (BURROWS and TURNER), 1449.
 $C_8H_{10}O$ *cyclopentenylacetone* (KON), 823.
 $C_8H_{11}O_4$ Ethyl *cyclopentanone-3-carboxylate* (INGOLD and THORPE), 500.
 $C_8H_{11}O_4$ *cyclopentane-1-acetic-1-carboxylic acid* (NORRIS and THORPE), 1208.
 $C_8H_{10}O_8$ α -Methylmethanetriacetic acid (INGOLD and PERREN), 1599, 1869.
 $C_8H_{10}O$ Ketone, from *BB*-diethylglutaric acid (KON), 821.
 $C_8H_{10}O$ *cyclopentylacetone* (KON), 824.
 $C_8H_{10}O$ Ketone, from reduction of ketone $C_8H_{14}O$ (KON), 822.
 $C_8H_{14}S_4$ Tetramethyldiethylene disulphide (POPE and SMITH), 400.

8 III

- $C_6H_4O_2N_2$ 6-Nitro-3:4-methylenedioxybenzonitrile (KEFFLER), 1478.
 $C_6H_4O_2Cl$ 4-Chlorophthalic acid, preparation of (MOORE, MARRACK, and PROUD), 1788.
 $C_6H_5NCl_2$ 3-Chloro-2-cyanobenzyl chloride (KENNER and WITHAM), 1458.
 C_8H_7OS 3-Oxy(1)thionaphthen, preparation and derivatives of (SMILES and McCLELLAND), 1810.
 C_8H_9ON Hydantoin from 6-carbamido-*m*-hydroxybenzoic acid (FROELICHER and COHEN), 1432.
 C_6H_4NCl 3-Chloro-*o*-toluonitrile (KENNER and WITHAM), 1458.
 C_6H_5OBr ω -Bromoacetophenone, velocity of reaction of aniline and (COX), 145.
 C_6H_5OCl 3-Chloro-*o*-toluic acid (KENNER and WITHAM), 1458.
 $C_6H_4O_2N_3$ 2:4:6-Trinitrotolylmethylnitrosoamine (BRADY and GIBSON), 104.
 $C_6H_4O_2N_3$ 2:4:6-Trinitrotolylmethylnitroamine (BRADY and GIBSON), 88.
 $C_6H_4N_2Cl$ 5-Chloro-6-methylbenzimidazole (MORGAN and CHALLENGER), 1542.
 $C_8H_9O_2N_3$ 2:3-Dicyano-1:1-dimethylcyclopropane-2-carboxylic acid (BIRCH, GOUCH, and KON), 1320.
 $C_6H_5O_2S$ *m*-Methylthiolbenzoic acid (SMILES and STEWART), 1797.
 $C_6H_4O_2N_3$ α -Carbamidobenzoic acid, preparation of (SCOTT and COHEN), 864.
 Nitroacetanilides, solubility and volatility of (SIDGWICK and RUBIN), 1013.
 $C_6H_4O_2N_3$ Carbamido-*m*-hydroxybenzoic acids (FROELICHER and COHEN), 1430.
 $C_6H_4O_2N_4$ Formaldehyde-2:4-dinitro-*m*-tolylhydrazone (BRADY and BOWMAN), 899.
 $C_6H_5O_2S$ *m*-Methylsulphonebenzoic acid (SMILES and STEWART), 1797.
 $C_6H_4O_2N_4$ Dinitrotolylmethylnitrosoamines (BRADY and GIBSON), 103.
 $C_8H_9O_2N_3$ 2:4-Dinitrophenyl- β -hydroxyethyl ether (FAIRBOURNE and TOMS), 2077.
 $C_6H_4O_2N_3$ Dinitrotolylmethylnitroamines (BRADY and GIBSON), 103.
 $C_6H_4N_2Cl$ 6-Chloro-2-methyl-2:3-tolylenediazoimine (MORGAN and JONES), 191.
 $C_6H_4ON_3$ 2:3-Dicyano-1:1-dimethylcyclopropane-2-carboxylamide (BIRCH, GOUCH, and KON), 1320.
 $C_6H_4O_2N$ Amino-*m*-methoxybenzoic acids (FROELICHER and COHEN), 1436.
 $C_6H_4O_2N_3$ Acetyl-*p*-nitrophenylhydrazine (MORGAN and DREW), 622.
 $C_6H_4O_2N_3$ Dinitromethyltolnidines (BRADY and GIBSON), 101.

- $C_6H_{10}ON$, 6-Amino-2:3-dihydro-1:4-benzisoxazine (FAIRBOURNE and TOMS), 2078.
 $C_6H_9O_2N_2$ *p*-Aminophenylaminoacetic acid, hydrochlorides of (GRANT and PYMAN), 1901.
 $C_6H_{11}ON$ *m*-Dimethylaminophenol, condensation of benzaldehyde with (KRISHNA and POPE), 286.
 $C_8H_{11}O_2N_2$ *cyclo*Pentanone-3:4-dicarboxylic acid semicarbazone (INGOLD), 350.
 $C_6H_{11}N_2Cl$ 6-Chloro-2-methyl-2:3-tolylenediamine (MORGAN and JONES), 191.
 6-Chloro-3-N-methyl-3:4-tolylenediamine (MORGAN and CHALLENGER), 1542.
 $C_6H_{12}NI$ Ethyl- α -picolinium iodide, mercuri-iodide of, and its crystallography (PORTER), 1772.
 Propylpyridinium iodide, mercuri-iodide of, and its crystallography (PORTER), 1771.
 $C_6H_{13}O_2N$ Ethyl cyanomethylbutyrate (INGOLD), 339.
 $C_6H_{11}ON$ Oxime of ketone $C_6H_{14}O$ (KON), 822.
 $C_6H_{11}Cl_2S$ *88'*-Dichlorodi-*sec*-butyl sulphide (POPE and SMITH), 399.
 $C_6H_{11}ON$ 1-Ethoxymethylpiperidine, preparation of (McLEOD and ROBINSON), 1474.

8 IV

- $C_6H_4O_2N_2Cl$ Substance, from sodium hypochlorite and 2:4-diketo-1:2:3:4-tetrahydroquinazoline (SCOTT and COHEN), 665.
 C_6H_4ONCl Methyl 2-chloro-3-nitrobenzoate (KENNER and STUBBINGS), 598.
 C_6H_4ONCl Chloroacetanilides, solubility and volatility of (SIDGWICK and RUISE), 1013.
 3-Chloro-*o*-toluamide (KENNER and WITHAM), 1458.
 $C_6H_4O_2N_2Cl$ Chloronitrotolylmethylnitrosoamines (MORGAN and JONES), 139.
 $C_6H_4O_2N_2S$ 2:4-Dinitrophenyl β -hydroxyethyl sulphide (BENNETT and WHINCOP), 1864.
 $C_6H_4O_2N_2Cl$ Chloronitro-N-methyltoluidines (MORGAN and JONES), 139.
 $C_6H_4O_2ClBr$ 4-Chloro-4-bromo-1:1-dimethylcyclohexane-3:5-dione (NORRIS and THORPE), 1210.
 $C_6H_4O_2NTl$ Thalliumdimethyl nitrophenoxides (GODDARD), 1312.
 $C_6H_4O_2NTl$ Thalliumdimethyl 4:6-dinitro-2-aminophenoxide (GODDARD), 1313.
 $C_6H_{11}O_2N_2S$ N-Sulphidobisbutyramide (NAIK), 1168.
 $C_6H_4O_2Cl_2S$ *88'*-Dichloro-di-*sec*-butylsulphone (POPE and SMITH), 399.
 $C_6H_{10}O_2S_2$ Sulphidobis- β -hydroxydiethyl sulphide (BENNETT and WHINCOP), 1863.
 $C_6H_{10}O_2N_2Co$ *cis*-Maleatodiethylenediaminecobaltic hydroxide, salts of (DUFF), 388.
 $C_6H_{10}O_2N_2Co$ *cis*-Succinatodiethylenediaminecobaltic hydroxide, salts of (DUFF), 387.
 $C_6H_{10}O_2N_2Co$ *cis*-Mesotartaratodiethylenediaminecobaltic hydroxide, salts of (DUFF), 388.

8 V

- $C_6H_4O_2N_2ClS$ 2:4-Dinitrophenyl β -chloroethyl sulphide (BENNETT and WHINCOP), 1864.
 $C_6H_4O_2N_2BrS$ 2:4-Dinitrophenyl β -bromoethyl sulphide (BENNETT and WHINCOP), 1864.

- $C_8H_8O_2N_2ClS$ 2:4-Dinitrophenyl β -chloroethyl sulphoxide (BENNETT and WHINCOP), 1864.
 $C_8H_8O_2N_2BrS$ 2:4-Dinitrophenyl β -bromoethyl sulphoxide (BENNETT and WHINCOP), 1864.
 $C_8H_{10}O_4N_4BrCo$ *cis*-Maleatodiethylenediaminecobaltic bromide (+ $2H_2O$) (DUFF), 388.
 $C_8H_{10}O_4N_4Br_2Co$ *cis*-Dibromosuccinatodiethylenediaminecobaltic bromide (+ $2H_2O$) (DUFF), 389.
 $C_8H_{12}O_4N_4Br_2Co$ *cis*-Dibromosuccinatodiethylenediaminecobaltic hydroxide (DUFF), 389.
 $C_8H_{20}O_4N_4BrCo$ *cis*-Succinatodiethylenediaminecobaltic bromide (+ $2H_2O$) (DUFF), 387.
 $C_8H_{20}O_6N_4BrCo$ *cis*-Mesotartratodiethylenediaminecobaltic bromide (+ $2H_2O$) (DUFF), 388.

C₉ Group.

- $C_9H_9N_2$ 4-Phenylglyoxaline, and its salts (GRANT and PYMAN), 1896.
 $C_9H_{10}O_3$ Atrolactic acid, resolution of (WREN and WRIGHT), 798.
 $C_9H_{10}O_3$ α -Hydroxy- β -phenylpropionic acid (WREN and WRIGHT), 798.
 $C_9H_{10}O_4$ Phenylglyceric acid, action of fused potassium hydroxide on (LE SUEUR and WOOD), 1697.
 $C_9H_{10}N_4$ 5-Amino-4-*p*-aminophenylglyoxaline, dihydrochloride of (GRANT and PYMAN), 1900.
 $C_9H_{12}O_4$ *cyclo*Hexane-1-acetic-1-carboxylic anhydride (NORRIS and THORPE), 1206.
 $C_9H_{12}O_4$ Acid, from oxidation of *cyclo*hexane-1:1-diacetic acid (INGOLD and POWELL), 1870.
 $C_9H_{14}O_4$ *cyclo*Hexane-1-acetic-1-carboxylic acid, and its silver salt (NORRIS and THORPE), 1206.
 $C_9H_{14}O_5$ Trimethyl saccharolactonic acid (IRVINE and OLDHAM), 1757.
 $C_9H_{14}O_5$ Ethyl α -hydroxyglutarate (INGOLD), 318.
 Trimethyl β -glucosan, preparation of (IRVINE and OLDHAM), 1754.

9 III

- $C_9H_8O_2Cl_3$ 3:4:5-Trihydroxy-2-trichloromethylphthalide (ALMCELDANI and MELDRUM), 206.
 $C_9H_8O_2N_2$ Dikatotetrahydroquinazolinecarboxylic acid, and its sodium salt (SCOTT and COHEN), 667.
 $C_9H_8O_2N_4$ 5-Nitro-4-*p*-nitrophenylglyoxaline, and its nitrate (GRANT and PYMAN), 1898.
 C_9H_7OCl Chloro-1-hydrindones (KENNER and WITHAM), 1459.
 $C_9H_8O_2N_2$ 4-Nitrophenylglyoxalines, and their salts (GRANT and PYMAN), 1897.
 $C_9H_8O_2N_2$ 5-Nitro-4-*p*-hydroxyphenylglyoxaline (GRANT and PYMAN), 1902.
 $C_9H_8O_2N_2$ Acetyl derivative of 5-nitro-3-keto-1:3-dihydroindandole (KENNER and WITHAM), 1055.
 $C_9H_8O_2N_2$ 5-Nitro-4-*p*-aminophenylglyoxaline, and its dihydrochloride (GRANT and PYMAN), 1901.
 $C_9H_8O_2N_2$ 6-Nitroveratronitrile (KEFFLER), 1479.
 $C_9H_8O_2N_2$ 3-Carbamidophthalic acid (+ $\frac{1}{2}H_2O$) (SCOTT and COHEN), 668.
 $C_9H_8N_2S$ 2-Thiol-4-phenylglyoxaline, and its salts (GRANT and PYMAN), 1895.
 C_9H_7ON 6-Methoxyindole (KERMACK, PERKIN, and ROBINSON), 1632.

- $\text{H}_2\text{O}_2\text{Cl}$ 5-Chloro-2:4-dimethylbenzoic acid (MORGAN and HICKINBOTTOM), 1891.
 β -*m*-Chlorophenylpropionic acid (KENNER and WITHAM), 1460.
 $\text{H}_2\text{O}_2\text{Br}$ 5-Bromo-2-methoxyphenylacetaldehyde (READ and ANDREWS), 1785.
 $\text{H}_2\text{O}_2\text{Cl}$ Cinnamic acid chlorohydrin, preparation of (READ and ANDREWS), 1777.
 $\text{H}_2\text{O}_2\text{Br}$ Cinnamic acid bromohydrin, and its salts (READ and ANDREWS), 1778.
 $\text{H}_2\text{O}_2\text{I}$ Acetyl derivative of substance $\text{C}_7\text{H}_5\text{O}_2\text{I}$ (COLLIE and REILLY), 1554.
 $\text{H}_2\text{O}_2\text{N}$ *o*-Nitro-*p*-methoxyphenylacetic acid (KERMAK, PERKIN, and ROBINSON), 1631.
 3-Nitro-2-methoxy-*p*-toluic acid (SIMONSEN and RAU), 1342.
 $\text{H}_2\text{O}_2\text{N}_2$ 4:5-Dinitroaceto-*o*-toluidide (MORGAN and GLOVER), 1703.
 $\text{H}_2\text{O}_2\text{Co}$ Cobaltimalonic acid, potassium salt (THOMAS), 1140.
 $\text{H}_2\text{N}_2\text{Cl}$ 5-Chloro-1:6-dimethylbenzimidazole (MORGAN and CHALLENGER), 1541.
 $\text{H}_2\text{O}_2\text{N}$ Malonophenylamide ($+\frac{1}{2}\text{H}_2\text{O}$) (BACKES, WEST, and WHITELEY), 372.
 $\text{H}_2\text{O}_2\text{N}_2$ 2-Nitroaceto-*m*-toluidide (BURTON and KENNER), 1052.
 $\text{H}_2\text{O}_2\text{N}_2$ Carbamido-*m*-methoxybenzoic acids (FROELICHER and COHEN), 1430.
 3-Nitro-2-methoxy-*p*-toluamide (SIMONSEN and RAU), 1342.
 $\text{H}_2\text{O}_2\text{N}_2$ Acetaldehyde-2:4-dinitro-*m*-tolylhydrazine (BRADY and BOWMAN), 899.
 $\text{H}_{10}\text{O}_2\text{N}_2$ $\alpha\beta$ -Dicyano- γ -hydroxy- γ -methylbutane- $\alpha\beta$ -dicarboxylic acid, and its silver salt (BIRCH, GOUGH, and KON), 1323.
 $\text{H}_{10}\text{O}_2\text{N}_2$ Acetyl-2:4-dinitro-*m*-tolylhydrazine (BRADY and BOWMAN), 897.
 H_{11}ON *p*-Dimethylaminobenzaldehyde, additive compound of, with 4'-dimethylamino-2-hydroxydistyryl ketone (HEILBRON and BUCK), 1507.
 $\text{H}_{11}\text{O}_2\text{N}_2$ *p*-Acetylamino nitrosomethyl aniline (PERKIN and PLANT), 1835.
 $\text{H}_{11}\text{O}_2\text{N}$ 8-Amino-2-methoxy-*p*-toluic acid, and its salts (SIMONSEN and RAU), 1343.
 β -Hydroxy-3:3:4-methylenedioxyphenylethylamine, and its salts (MASON), 1077.
 $\text{H}_{11}\text{O}_2\text{N}_2$ Dinitrodimethyltoluidines (BRADY and GIBSON), 102.
 4-Nitro-2-carbethoxyphenylhydrazine (KENNER and WITHAM), 1055.
 $\text{H}_{12}\text{O}_2\text{Br}$ Methyl *cis*-1:3-dibromocyclopentane-1:3-dicarboxylate (PERKIN and SCARBOROUGH), 1407.
 H_{12}ON *p*-Acetylamino phenylmethylhydrazine (PERKIN and PLANT), 1835.
 $\text{H}_{13}\text{O}_2\text{Br}$ Ethyl α -bromoglutaconate (FARMER and INGOLD), 2013.
 $\text{H}_{14}\text{O}_2\text{Br}_2$ Ethyl $\alpha\alpha'$ -dibromoglutarate (INGOLD), 318.
 H_{14}NI Propyl- α -picolinium iodide, mercuri-iodide of, and its crystallography (PORTER), 1773.
 H_{15}ON Semicarbazone of cyclopentenylacetone (KON), 823.
 H_{15}OAs Phenyltrimethylarsonium hydroxide, cadmi-iodide of (BURNOWS and TURNER), 1449.
 $\text{H}_{15}\text{O}_2\text{Br}$ Ethyl α -bromoglutarate (INGOLD), 316.
 H_{15}NI Phenylmethyl ethylazonium iodide, additive compound of thiocarbamide and (SINGH and LAL), 211.
 H_{15}ON Semicarbazone of ketone $\text{C}_5\text{H}_8\text{O}$ (KON), 821.
 Semicarbazone of cyclopentylacetone (KON), 824.

- $C_8H_{10}O_2N$ Malondi-*n*-propylamide (BACKES, WEST, and WHITELEY), 367.
 $C_8H_{10}ON_2$ Semicarbazone of ketone $C_8H_{14}O$ (KON), 822.

9 IV

- C_8H_8ONCl 5-Chloroisosnitroso-1-hydrindone (KENNER and WITHAM), 1461.
 $C_8H_8O_2N_2Br_2$ Dibromomalondibromophenylamide (BACKES, WEST, and WHITELEY), 373.
 $C_8H_8O_2N_2Br_2$ Dibromomalonbromophenylamide (BACKES, WEST, and WHITELEY), 373.
 C_8H_8ONCl Oxime of 5-chloro-1-hydrindone (KENNER and WITHAM), 1461.
 $C_8H_8O_2N_2Br_2$ Bromomalonbromophenylamide (BACKES, WEST, and WHITELEY), 373.
 Malondibromophenylamide (BACKES, WEST, and WHITELEY), 373.
 $C_8H_8O_2N_2S_2$ Dithiomesoxomophenylamide (NAIK), 1237.
 C_8H_8ONCl Ethyl 2-chloro-3-nitrobenzoate (KENNER and STUBBINGS), 598.
 Ethyl chloronitrobenzoates, condensation of, with hydrazines (KENNER and WITHAM), 1053.
 C_8H_8ONi Ethyl 2-iodo-3-nitrobenzoate (KENNER and STUBBINGS), 599.
 $C_8H_8O_2N_2Br_2$ 2:4-Dinitrophenyl β -dibromopropyl ether (FAIRBOURN and Toms), 1038.
 $C_8H_8O_2N_2Cl$ 2-Chloro-3:5-dinitroaceto-*p*-tolnide (DAVIES), 868.
 $C_8H_8O_2N_2Cl$ Formate of 5-chloro-6-methylbenzimidazole (MORGAN and CHALLENGER), 1542.
 $C_8H_8ON_2S$ ω -Aminoacetophenone thiocyanate (GRANT and PTMAN), 1598.
 $C_8H_{11}ON_2S$ β -Hydroxyethyl phenylthiocarbamate (BENNETT and WHINCOFF), 1861.
 $C_8H_8O_2NTl$ Thalliumdimethyl 3-nitro-*o*-tolylloxide (GODDARD), 1314.
 $C_8H_8O_2N_2Br_2$ Bromomalonyldiurethane (BACKES, WEST, and WHITELEY), 372.
 $C_8H_8O_2N_2Br_2$ Dibromomalondi-*n*-propylamide (BACKES, WEST, and WHITELEY), 368.
 $C_8H_8O_2N_2Br_2$ Bromomalondi-*n*-propylamide (BACKES, WEST, and WHITELEY), 367.
 $C_8H_8O_2N_2Co$ *cis*-Citrateonadiethylenediaminecobaltic hydroxide, hydrogen citrateonate of (DUFF), 389.

 C_{10} Group.

- $C_{10}H_{12}$ Tetrahydronaphthalene, preparation of derivatives of (KON and STEVENSON), 87.
 $C_{10}H_{18}$ Hydrocarbon, from *Andropogon furcatus* (SIMONSEN), 1649.

10 II

- $C_{10}H_8O_2$ 3-Methoxy-4-methyl-*o*-phthalic anhydride (SIMONSEN and RUI), 1344.
 $C_{10}H_9N$ Quinaldine, synthesis of (MILLS, HARRIS, and LAMBOURNE), 1201.
 $C_{10}H_{10}O$ *ar*-Dihydro-*n*-naphthols (ROWE and LEVIN), 2021.
 $C_{10}H_{10}O_2$ 6-Hydroxy-5-carboxy-*m*-tolylacetic acid, and its silver salt (ALIMCHANDANI and MELDRUM), 209.
 3-Methoxy-4-methyl-*o*-phthalic acid, and its salts (SIMONSEN and RUI), 1345.
m-Opianic acid, and its silver salt (FARGHER and PERKIN), 1739.
 $C_{10}H_{10}N_2$ 6-Aminoquinaldine (HAMER), 1435.
 $C_{10}H_{11}Cl$ 4-Chlorobutenylbenzene (MORAN and HICKINBOTTOM), 1888.
 $C_{10}H_{12}O_2$ *n*- and *iso*-Eugenols, analysis of mixtures of (MCKIE), 777.
 Hydroxyphenyl *n*-propyl ketones (MORGAN and HICKINBOTTOM), 1884.

- $\gamma_{10}\text{H}_{12}\text{O}_5$ 5-Hydroxy-4-methoxy-*o*-tolyl methyl ketone (FARGHER and PERKIN), 1733.
- $\gamma_{11}\text{H}_{12}\text{O}_5$ Ethyl 6-ethoxy-2-pyrone-5-carboxylate (INGOLD and PERREN), 1601.
- $\gamma_{10}\text{H}_{12}\text{N}_2$ *cyclo*Hexanespiro*cyclo*propane-2:3-dicarboxylonitrile (BIRCH, GOUGH, and KON), 1325.
- 1:4-*cisdo*Methylene-6-methyltetrahydroquinoxaline, and its salts (MOORE and DOUBLEDAY), 1172.
- $\gamma_{11}\text{H}_{12}\text{Cl}$ 4-Chloro-*n*-butylbenzene (MORGAN and HICKINSBOTTOM), 1886.
- $\gamma_{10}\text{H}_{12}\text{As}$ *As*-Methyltetrahydroarsinoline, and its salts (BURROWS and TURNER), 430.
- $\gamma_{11}\text{H}_{14}\text{O}_2$ *cyclo*Pentanespiro*cyclo*hexane-3:5-dione (NOREIS and THORPE), 1207.
- $\gamma_{10}\text{H}_{14}\text{O}_3$ Hydroxyketodihydroepicampholenic lactone (PERKIN and TITLEY), 1106.
- $\gamma_{10}\text{H}_{14}\text{O}_4$ Benzoyl glyceride (FAIRBOURNE and TOMS), 1040.
- γ -Lactone of 1-hydroxycyclohexylethane- $\alpha\beta$ -dicarboxylic acid, and its silver salt (BIRCH, GOUGH, and KON), 1326.
- $\gamma_{10}\text{H}_{15}\text{N}$ Epicampholenitrile (PERKIN and TITLEY), 1102.
- $\gamma_{10}\text{H}_{15}\text{O}$ Epicampbor (PERKIN and TITLEY), 1089.
- cyclo*Heptenylacetone (KON), 327.
- Piperitone (READ and SMITH), 779; constitution of (SIMONSEN), 1650.
- $\gamma_{10}\text{H}_{16}\text{O}_2$ Dihydroepicampholenolactone (PERKIN and TITLEY), 1104.
- Epicampholenic acids (PERKIN and TITLEY), 1103.
- $\gamma_{10}\text{H}_{16}\text{O}_4$ 1-Hydroxycyclohexylethane- $\alpha\beta$ -dicarboxylic acid, silver salt (BIRCH, GOUGH, and KON), 1327.
- $\gamma_{10}\text{H}_{17}\text{Cl}$ Hydrochloride of hydrocarbon, $\text{C}_{10}\text{H}_{16}$ (SIMONSEN), 1649.
- $\gamma_{10}\text{H}_{17}\text{Br}$ Dibromide of hydrocarbon, $\text{C}_{10}\text{H}_{16}$ (SIMONSEN), 1650.
- $\gamma_{10}\text{H}_{12}\text{N}$ 1-Epicamphylamine (PERKIN and TITLEY), 1105.
- $\gamma_{10}\text{H}_{10}\text{O}_4$ Trimethyl- β -methylglucoside (IRVINE and OLDHAM), 1758.

10 III

- $\gamma_{10}\text{H}_2\text{O}_2\text{N}$ 1:2-Naphtbaquinone-1-oxime, hexamminocobaltic salt (MORGAN and SMITH), 708.
- $\gamma_{10}\text{H}_2\text{O}_3\text{N}$ 7-Oxy-1:2-naphtbaquinone-1-oxime, peotaminocobaltic salt (MORGAN and SMITH), 709.
- $\gamma_{10}\text{H}_2\text{ONa}$ Sodium- β -naphthoxide, velocity of reaction of ethyl iodide and (COX), 149.
- $\gamma_{10}\text{H}_2\text{O}_2\text{N}$ 7-Hydroxy-1:2-naphtbaquinone-1-oxime, cobaltic salt (MORGAN and SMITH), 708.
- $\gamma_{10}\text{H}_2\text{Br}_2\text{Bi}$ α -Naphthylidibromobismuthine (CHALLENGER and ALLPRESS), 919.
- $\gamma_{10}\text{H}_2\text{O}_2\text{S}$ 2-Acetyl-3-oxy(1)thionaphten (SMILES and McCLELLAND), 1814.
- $\gamma_{10}\text{H}_2\text{O}_4\text{N}_4$ Dinitro-2:3:6:7-dimethylenetetraoxyanthraquinone-diimide (KEFFLER), 1479.
- $\gamma_{10}\text{H}_2\text{O}_4\text{N}_2$ 2:4-Dinitro-5:8-dihydro- α -naphthol (ROWE and LEVIN), 2028.
- $\gamma_{10}\text{H}_2\text{O}_4\text{N}$ Scatole-2-carboxylic acid (KERMACK, PERKIN, and ROBINSON), 1634.
- $\gamma_{10}\text{H}_2\text{O}_4\text{N}$ 2-Methoxy-3-cyano-*p*-toluic acid, and its silver salt (SIMONSEN and RAU), 1344.
- 6-Methoxyindole-2-carboxylic acid (KERMACK, PERKIN, and ROBINSON), 1632.
- 3-Methoxy-4-methyl-*o*-phthalimide (SIMONSEN and RAU), 1345.
- Nitrodihydro- α -naphthols (ROWE and LEVIN), 2026.
- $\gamma_{10}\text{H}_2\text{O}_4\text{Cl}$ *m*-Chlorobenzylmalonic acid (KENNER and WITHEAM), 1460.

- $C_{10}H_9O_2N$ *o*-Nitro-*p*-methoxyphenylpyruvic acid (KERMACK, PERKIN, and ROBINSON), 1630.
 $C_{10}H_9O_2Cl_2$ 4-Hydroxy-5-*β*-dichloroethyl-*m*-toluic acid, and its calcium salt (ALINCHANDANI and MELDRUM), 208.
 $C_{10}H_{10}O_2N_2$ 2:3:6:7-Dimethylenetetraoxyanthraquinonedi-imide (KEFFLER), 1479.
 $C_{10}H_{10}O_2Br_2$ α :5-Dibromo- β -hydroxy-2-methoxy- β -phenylpropionic acid, and its brucine salt (READ and ANDREWS), 1783.
 $C_{10}H_{11}ON$ 6-Methoxy-3-methylindole (KERMACK, PERKIN, and ROBINSON), 1640.
 $C_{10}H_{11}OCl$ Chlorophenyl *n*-propyl ketones (MORGAN and HICKINBOTTOM), 1885.
 $C_{10}H_{11}O_2N$ 3-Methoxy-4-ethoxybenzonitrile (KEFFLER), 1481.
 $C_{10}H_{11}O_2N$ Nitrophenyl *n*-propyl ketones (MORGAN and HICKINBOTTOM), 1882.
 $C_{10}H_{11}ON$ 3-Nitro-4-hydroxyphenyl *n*-propyl ketone (MORGAN and HICKINBOTTOM), 1888.
 $C_{10}H_{11}O_2N$ 4-Carbethoxyamino-*m*-hydroxybenzoic acid (FROELICHER and COHEN), 1430.
 $C_{10}H_{11}ClBr$ 4-Chloro-*αβ*-dibromo-*n*-butylbenzene (MORGAN and HICKINBOTTOM), 1887.
 $C_{10}H_{12}O_2Br_2$ *cyclo*Pentanespiro-4:4-dibromocyclohexane-3:5-dione (NORRIS and THORPE), 1210.
 $C_{10}H_{12}O_2S_2$ *cyclo*Pentanespiro-3:5-diketo-4-dithiocyclohexane (NAIR), 1240.
 $C_{10}H_{12}O_2N_2$ Acetyl derivative of 3-nitro-2-methoxy-*p*-toluidine (SIMONSEN and RAU), 1342.
 $C_{10}H_{12}O_2N_4$ Acetonedinitrotolylhydrazones (BRADY and BOWMAN), 899.
 $C_{10}H_{12}O_2N_4$ *n*-Propaldehyde-2:4-dinitro-*m*-tolylhydrazone (BRADY and BOWMAN), 899.
 $C_{10}H_{13}ON$ Aminophenyl *n*-propyl ketones, and their salts (MORGAN and HICKINBOTTOM), 1883.
 $C_{10}H_{13}O_2Br$ *cyclo*Pentanespiro-4-hromocyclohexane-3:5-dione (NORRIS and THORPE), 1210.
 $C_{10}H_{13}O_2N_2$ 4-Diazoamino-3:5-dimethylisoxazole (MORGAN and BURGESS), 1547.
 $C_{10}H_{13}O_2N_3$ 3:5-Dimethylisoxazole-4-azo-acetylacetone (MORGAN and BURGESS), 1546.
 $C_{10}H_{14}ON$ Acetyl-4:6-diamino-*m*-xylene (PEARMAN), 712.
 $C_{10}H_{14}ClAs$ γ -Phenylpropylmethylchloroarsine (BURROWS and TURNER), 430.
 $C_{10}H_{14}BrAs$ γ -Phenylpropylmethylbromoarsine (BURROWS and TURNER), 430.
 $C_{10}H_{14}O_2N$ Ethyl α -cyanopropane- $\beta\gamma$ -dicarboxylate (INGOLD), 940.
 $C_{10}H_{14}O_2N_4$ 3-Nitrophenyl *n*-propyl ketone *p*-nitrophenylhydrazone (MORGAN and HICKINBOTTOM), 1882.
 $C_{10}H_{14}O_2Br_2$ Ethyl dihydroadipates (INGOLD), 962.
 $C_{10}H_{14}O_2I_2$ Ethyl diiodadipates (INGOLD), 963.
 $C_{10}H_{15}ON$ Piperitoneoximes (READ and SMITH), 784; (SIMONSEN), 1651.
 $C_{10}H_{15}OAs$ Phenyl dimethylethylarsonium hydroxide, salts of (BURROWS and TURNER), 1450.
 $C_{10}H_{15}O_2Cl$ Pinene chlorohydrins (HENDERSON and MARSH), 1497.
 $C_{10}H_{15}O_2Cl$ Ethyl α -chloroadipate (INGOLD), 961.
 $C_{10}H_{15}O_2Br$ Ethyl α -bromoadipate (INGOLD), 961.
 $C_{10}H_{16}O_2Cl_2$ 1:2-Dichloromethane-6:8-diol, or Sobrerol dichloride (HENDERSON and MARSH), 1496.
 Pinene dichlorohydrins (HENDERSON and MARSH), 1495.

- $C_{10}H_{12}O_2N_2$ *dl*-Piperitonehydroxylamino-oxime (READ and SMITH), 783.
 $C_{10}H_{11}ON$ 1-*iso*Butoxymethylpiperidine, preparation of (McLEOD and ROBINSON), 1474.

10 IV

- $C_{10}H_8O_4NS_2$ 8-Oxy-1:2-naphthaquinone-2-oxime-3:6-disulphonic acid, pentamminocobaltic salts (MORGAN and SMITH), 713.
 $C_{10}H_8O_4NS$ 1:2-Naphthaquinone-2-oxime-4-sulphonic acid, cobaltic and β -naphthylamine salts (MORGAN and SMITH), 710.
 $C_{10}H_8O_4NS_2$ 8-Hydroxy-1:2-naphthaquinone-2-oxime-3:6-disulphonic acid, cobaltic and β -naphthylamine salts (MORGAN and SMITH), 713.
 $C_{10}H_8O_4N_2I$ 6-Nitroquinoline methiodide (HAMER), 1435.
 $C_{10}H_{10}ONCl$ Chloro-1-hydrindone semicarbazones (KENNER and WITHAM), 1459.
 $C_{10}H_{10}O_2N_2S_2$ Dithiomesoxomono-*p*-toluidide (NAIK), 1237.
 $C_{10}H_9ONCl$ 4-Chloro-3-nitrophenyl *n*-propyl ketone (MORGAN and HICKINBOTTOM), 1887.
 $C_{10}H_9ONCl$ 4-Chloro-3-aminophenyl *n*-propyl ketone, and its hydrochloride (MORGAN and HICKINBOTTOM), 1888.
 $C_{10}H_9O_2N_2Br$ 5-Bromo-2-methoxyphenylacetaldehyde semicarbazone (READ and ANDREWS), 1785.
 $C_{10}H_{12}O_2N_2Tl$ Thalliumdiethyl 2:4:6-trinitrophenoxide (GODDARD), 1313.
 $C_{10}H_{12}O_2N_2Tl$ Thalliumdiethyl 2:4-dinitrophenoxide (GODDARD), 1313.
 $C_{10}H_{10}ONTl$ Thalliumdiethyl nitrophenoxides (GODDARD), 1312.
 $C_{10}H_{11}O_2N_2Tl$ Thalliumdiethyl 4:6-dinitro-2-aminophenoxide (GODDARD), 1313.
 $C_{10}H_{11}ONBr_2$ Dibromopiperitoneoxime (SIMONSEN), 1652.
 $C_{10}H_{11}ON_2I$ Substance, from eseroline methiodide, methyl iodide, and sodium ethoxide (STEDMAN), 892.

10 VI

- $C_{10}H_{10}O_2N_2BrS_2Co$ *cis*-Bromobenzene-3:4-disulphonatodithylenediaminecobaltic hydroxide, salts of (DUFF), 1936.

C₁₁ Group.

- $C_{11}H_8O_2$ Dihydroxynaphthaldehydes (MORGAN and VINING), 177.
 $C_{11}H_8O_2$ Substance, from sodium and phenyl acetate (PERKIN), 1239.
 $C_{11}H_{10}N_2$ Norharman, and its salts (KERMACK, PERKIN, and ROBINSON), 1602.
 $C_{11}H_{10}O_2$ 4:5-Dimethoxy-*o*-phthalonic acid (+ 2H₂O) and its acid calcium salt (FARGHER and PERKIN), 1735.
 $C_{11}H_{10}O_2$ *o*-Methoxystyryl methyl ketone (HEILBRON and BUCK), 1509.
 $C_{11}H_{13}O_2$ Methyl *m*-opianates (FARGHER and PERKIN), 1741.
 $C_{11}H_{14}O_2$ *di-trans-cyclo*Pentane-1:3-dicarboxylic acid, resolution of (PERKIN and SCARBOROUGH), 1400.
 $C_{11}H_{14}O_2$ Ethyl 6-ethoxy-3-methyl-2-pyrone-5-carboxylate (INGOLD and PERREN), 1601.
 $C_{11}H_{14}O_4$ Lactone of 1-hydroxycyclohexylethane- $\alpha\beta$ -tricarboxylic acid (BIRCH, GOUGH, and KON), 1326.
 $C_{11}H_{14}N_2$ 1:4-*endo*Ethylene-6-methyltetrahydroquinoxaline, and its salts (MOORE and DOUBLEDAY), 1174.
 $C_{11}H_{16}O_2$ Hydroxymethylene-*l*-epicamphor (PERKIN and THORPE), 1096.
 $C_{11}H_{16}O_2$ *cyclo*Hexanespirocyclohexane-3:5-dione (NORRIS and THORPE), 1205.
 $C_{11}H_{16}O_2$ Ethyl *cyclopentanedicarboxylate* (INGOLD), 349; (INGOLD and THORPE), 499.
 $C_{11}H_{16}O_2$ 1-Hydroxycyclohexylethane- $\alpha\beta$ -tricarboxylic acid, silver salt (BIRCH, GOUGH, and KON), 1326.

- $C_{11}H_{17}As$ γ -Phenylpropyldimethylarsine (BURROWS and TURNER), 429.
 $C_{11}H_{18}O_7$ Ethyl trimethyl saccharolactone (IRVINE and OLDFHAM), 1757.

II III

- $C_{11}H_9O_2N$ 2-Carboxyindole-3-acetic anhydride (KERMACK, PERKIN, and ROBINSON), 1623.
 $C_{11}H_9O_2N$ 1:2-Naphthaquinone-1-oxime-3-carboxylic acid, cobaltic salts (MORGAN and SMITH), 709.
 $C_{11}H_9O_4N_3$ 2-*m*-Nitrophenylglyoxaline-4:5-dicarboxylic acid (FARGHER), 163.
 $C_{11}H_9ON_5$ 5-Keto-4:5-dihydroindolediazine(1:4) (KERMACK, PERKIN, and ROBINSON), 1627.
 $C_{11}H_9O_2N_2$ Norharmol (KERMACK, PERKIN, and ROBINSON), 1619.
 $C_{13}H_9O_3S$ (1)Thionaphtha-4-oxycoumarin (SMILES and McCLELLAND), 1815.
 $C_{11}H_9O_2N$ 2-Carboxyindole-3-acetic acid (KERMACK, PERKIN, and ROBINSON), 1622.
 $C_{11}H_9O_4N_2$ 2-*m*-Aminophenylglyoxaline-4:5-dicarboxylic acid (FARGHER), 163.
 $C_{11}H_{10}O_2N_2$ 2-Carboxyindole-3-acetamide (KERMACK, PERKIN, and ROBINSON), 1623.
 $C_{11}H_{10}O_3N_4$ 5-Nitro-*p*-acetylaminophenylglyoxaline (GRANT and PTMAN), 1902.
 $C_{11}H_{10}O_4N_2$ Dimethyldiketotetrahydroquinazolinecarboxylic acid (SCOTT and COHEN), 668.
 $C_{11}H_{11}O_4N$ 1:3-Dimethylindole-2-carboxylic acid (KERMACK, PERKIN, and ROBINSON), 1636.
 3-Methoxy-4-methyl- α -quinolone (KERMACK, PERKIN, and ROBINSON), 1635.
 $C_{11}H_{11}O_2N_2$ 1-*p*-Nitrophenyl-3:5-dimethylpyrazole (MORGAN and DREW), 621.
 $C_{11}H_{11}O_4N$ 6-Methoxy-3-methylindole-2-carboxylic acid (KERMACK, PERKIN, and ROBINSON), 1640.
 $C_{11}H_{11}O_4N_2$ 3:5-Dimethylisooxazole-4-azoresorcinol (MORGAN and BURGESS), 703.
 $C_{11}H_{13}O_4N_2$ *cyclo*Hexanespiro-2:3-dicyanocyclopropane-2-carboxylic acid (BIRCH, GOUGER, and KON), 1325.
 $C_{11}H_{13}O_4N_2$ Acetylacetone-*p*-nitroanil (MORGAN and DREW), 624.
 $C_{11}H_{13}O_4N_2$ 1-*p*-Nitroanilinoacetylacetone (MORGAN and DREW), 623.
 $C_{11}H_{13}ON_2$ *cyclo*Hexane spiro-2:3-dicyanocyclopropane-2-carboxylamide (BIRCH, GOUGER, and KON), 1324.
 $C_{11}H_{13}O_4N$ *o*-Methoxystyrylmethyl ketoxime (HEILBRON and BUCK), 1599.
 $C_{11}H_{13}O_4N$ Carbethoxyamino-*m*-methoxybenzoic acids (FROELICHER and COHEN), 1431.
 $C_{11}H_{13}O_4N_2$ Acetyl derivative of 4-nitro-2-carbethoxyphenylhydrazine (KENNER and WITHAM), 1055.
 $C_{11}H_{13}O_4N_2$ Methylmalonomono-*o*-toluidide (NAIR), 1238.
 $C_{11}H_{14}O_4Cl_2$ *cyclo*Hexane spiro-4:4-dichlorocyclohexane-3:5-dione (NORRIS and THORPE), 1209.
 $C_{11}H_{14}O_4Br_2$ *cyclo*Hexanespiro-4:4-dibromocyclohexane-3:5-dione (NORRIS and THORPE), 1209.
 $C_{11}H_{14}O_4N_2$ *n*-Butaldehyde-2:4-dinitro-*m*-tolylhydrazone (BRADY and BOWMAN), 899.
 Methyl ethyl ketone 2:4-dinitro-*m*-tolylhydrazone (BRADY and BOWMAN), 899.
 $C_{11}H_{14}O_4Cl$ *cyclo*Hexanespiro-4-chlorocyclohexane-3:5-dione (NORRIS and THORPE), 1209.

- $C_{11}H_{13}O_2Br$ *cycloHexanespiro-4-bromocyclohexane-3:5-dione* (NORRIS and THORPE), 1208.
 $C_{11}H_{13}O_2N$ 4:5-Dimethoxy-*o*-tolyl methyl ketoxime (FARGHER and PERKIN), 1732.
 $C_{11}H_{13}O_2N_2$ 5-Hydroxy-4-methoxy-*o*-tolyl methyl ketone semicarbazone (FARGHER and PERKIN), 1733.
 $C_{11}H_{13}O_2N$ Ethyl α -cyano- γ -methylglutaconate (INGOLD and PERREN), 1597.
 $C_{11}H_{13}IAS$ *As*-Methyltetrahydroarsinoline methiodide (BURROWS and TURNER), 431.
 $C_{11}H_{17}ON$ Amino methylene-epicamphor (PERKIN and TITLEY), 1101.
 $C_{11}H_{17}O_2N$ Ethyl cyanomethylglutarate (INGOLD), 338; (INGOLD and THORPE), 500.
 $C_{11}H_{17}O_2N_2$ Semicarbazone of acid, $C_{10}H_{14}O_4$, from oxidation of *l*-epicampholenic acid (PERKIN and TITLEY), 1107.
 $C_{11}H_{17}O_2Br_2$ *iso*Propyl $\alpha\alpha'$ -dibromoglutarate (INGOLD), 318.
 $C_{11}H_{17}O_2N_2$ *cyclo*Heptenylacetone semicarbazone (KON), 827.
Piperitone semicarbazones (READ and SMITH), 784; (SIMONSEN), 1650.
 $C_{11}H_{19}O_2N_2$ Malondi-*n*- and -*iso*-butylamides (BACKES, WEST, and WHITELEY), 368.

II IV

- $C_{11}H_{11}O_4N_2Cl$ 6(7)-Chloro-7(6)-methylquinoxaline-2:3-dicarboxylic acid (+ 2H₂O) (MORGAN and CHALLENGER), 1540.
 $C_{11}H_{11}O_4N_2Br$ 2-*p*-Bromobenzeneazoglyoxaline-4:5-dicarboxylic acid (FARGHER), 162.
 $C_{11}H_{11}O_4N_2Br$ 4-*p*-Bromobenzeneazo-2-methylglyoxaline-5-carboxylic acid (FARGHER), 161.
 $C_{11}H_{11}O_4N_2Br$ 2-*p*-Bromobenzenehydrazoglyoxaline-4:5-dicarboxylic acid (FARGHER), 163.
 $C_{11}H_{11}O_4N_2Br$ *p*-Bromobenzeneazocetylacetone (MORGAN and DREW), 622.
 $C_{11}H_{11}O_4N_2I$ 6-Nitroquinaldine methiodide (HAMER), 1435.
 $C_{11}H_{14}O_2ClBr$ *cycloHexanespiro-4-chloro-4-bromocyclohexane-3:5-dione* (NORRIS and THORPE), 1210.
 $C_{11}H_{15}O_2NTl$ Thalliumdiethyl nitrotolyl oxides (GODDARD), 1314.
 $C_{11}H_{15}O_2N_2Br_2$ Dibromomalondi-*iso*butylamide (BACKES, WEST, and WHITELEY), 370.
 $C_{11}H_{15}O_2N_2Br$ Bromomalondi-*n*- and -*iso*-butylamides (BACKES, WEST, and WHITELEY), 368.

II V

- $C_{11}H_{15}O_2N_2SCO$ *cis-o*-Sulphobenzoacetatodiethylenediaminecobaltic hydroxide, salts of (DUFF), 1985.

II VI

- $C_{11}H_{15}O_2N_2BrSCO$ *cis-o*-Sulphobenzoacetatodiethylenediaminecobaltic bromide (+ H₂O) (DUFF), 1985.

C₁₂ Group.

- $C_{12}H_9N$ Carbazole, oxidation of (PERKIN and TUCKER), 216; additive compound of 4'-dimethylamino-2-hydroxydistyrylketone with (HEILBRON and BUCK), 1512.
 $C_{12}H_{10}N_2$ Harmine (KERMACK, PERKIN, and ROBINSON), 1602.
 $C_{12}H_{12}N$ 6-Ethylquineldine (MILLS, HARRIS, and LAMBOURNE), 1300.
Tetrahydrocarbazole, and its picrate (PERKIN and PLANT), 1831.

- $C_{15}H_{14}O_4$ Acetyl derivative of 5-hydroxy-4-methoxy-*o*-tolyl methyl ketone (FARGHER and PERKIN), 1733.
 $C_{15}H_{14}N_4$ 6-Aminotetrahydrocarbazole (PERRIN and PLANT), 1833.
 $C_{15}H_{14}N_4$ 1:4-*endo* Trimethylene-6-methyltetrahydroquinoxaline, and its salts (MOORE and DOUBLEDAY), 1174.
 $C_{15}H_{14}O_4$ Ethyl aconitate, preparation of (INGOLD), 350.
 $C_{15}H_{14}O_4$ Ethyl α -acetoxyadipate (INGOLD), 966.
 $C_{15}H_{14}O_{11}$ Cellobiose, constitution of (HAWORTH and HIRST), 193.

12 III

- $C_{15}H_9Cl_3S_4$ Substance, from chlorobenzene and sulphur chloride (RAY), 1963.
 $C_{15}H_9O_4N_4$ Norbarmolcarboxylic acid, and its sulphate (KERMACK, PERKIN, and ROBINSON), 1618.
 $C_{15}H_9O_4Cl_4$ 6-Methyl-2:4-bis(trichloromethyl)-1:3-benzodioxine-8-carboxylic acid, and its sodium salt (ALINCHANDANI and MELDRUM), 208.
 $C_{15}H_{11}ON_2$ 5-Keto-7-methyl-4:5-dihydroindole-diazine(1:4) (KERMACK, PERKIN, and ROBINSON), 1635.
 2-Keto-1-methyl-2:3-dihydronorharman (KERMACK, PERKIN, and ROBINSON), 1638.
 $C_{15}H_{11}O_2N_4$ 11-Methoxy-5-keto-4:5-dihydroindole-diazine(1:4) (KERMACK, PERKIN, and ROBINSON), 1633.
 $C_{15}H_{11}O_2N_4$ *cyclo* Hexanespiro-2:3-dicyanocyclopropane-2:3-dicarboxylic anhydride (BIRCH, GOUGH, and KON), 1328.
 $C_{15}H_{11}N_2S_2$ Diaminothiauthren (RAY), 1964.
 $C_{15}H_{11}O_2N_4$ 4-Nitrobenzylidenecamino-3:5-dimethylisoxazoles (MORGAN and BURGESS), 701.
 $C_{15}H_{11}O_2N$ 6-Methoxy-2-carboxyindole-3-acetic acid (KERMACK, PERKIN, and ROBINSON), 1641.
 $C_{15}H_{11}ON_2$ Acetylaminoquinaldines (HANEH), 1438.
 4-Benzylidenecamino-3:5-dimethylisoxazole (MORGAN and BURGESS), 701.
 $C_{15}H_{11}O_2N_4$ 4-Benzoylamino-3:5-dimethylisoxazole (MORGAN and BURGESS), 701.
 $C_{15}H_{11}O_2N_4$ 4-*p*-Nitrobenzylidenehydrazino-3:5-dimethylisoxazole (MORGAN and BURGESS), 1548.
 $C_{15}H_{11}O_2N_4$ *cyclo* Hexanespiro-2:3-dicyanocyclopropane-2:3-dicarboxylic acid (BIRCH, GOUGH, and KON), 1327.
 Methyl dimethyldiketotetrahydroquinoxalinecarboxylate (SCOTT and COHEN), 669.
 $C_{15}H_{11}O_2N$ Ethyl α -keto- β -*o*-nitrophenylhydryate (KERMACK, PERKIN, and ROBINSON), 1634.
 $C_{15}H_{11}O_4N$ *cyclo* Hexanespiro-2-cyanocyclopropane-2:3:3-tricarboxylic acid (BIRCH, GOUGH, and KON), 1328.
 $C_{15}H_{11}ON_4$ Acetyl derivative from base $C_{20}H_{14}N_2$ (PEARMAN), 720.
 $C_{15}H_{11}O_2N_2$ 2:6-Dinitro-*m*-4-xylyl *n*-propyl ketone (MORGAN and HICKINBOTTOM), 1891.
 $C_{15}H_{11}OCl$ 6-Chloro-*m*-4-xylyl *n*-propyl ketone (MORGAN and HICKINBOTTOM), 1891.
 $C_{15}H_{11}O_2N$ 3-Acetylaminophenyl *n*-propyl ketone (MORGAN and HICKINBOTTOM), 1883.
 $C_{15}H_{11}O_2N$ Nitro-*m*-4-xylyl *n*-propyl ketones (MORGAN and HICKINBOTTOM), 1890.
 $C_{15}H_{11}ON$ 6-Amino-*m*-4-xylyl *n*-propyl ketone, and its salts (MORGAN and HICKINBOTTOM), 1890.

- $C_{12}H_{10}O_2N_2$ 2:4-Dinitro- β -diethylaminoethylbenzene, and its salts (McLEOD and ROBINSON), 1476.
 $C_{12}H_{10}O_2N_2$ Hydroxymethylene-epicamphorsemicarbazone (PERKIN and TITIKY), 1099.
 $C_{12}H_{14}O_4N_2$ Semicarbazone of ethyl cyclopentanone-2:4-dicarboxylate (INGOLD and THORPE), 500.
 $C_{12}H_{20}O_4N_2$ Ethyl $\alpha\alpha'$ -diacarbonyl- β -methylglutarate (GUPTA), 304.
 $C_{12}H_{18}IAS$ γ -Phenylpropyldimethylarsine methiodide (BURROWS and TURNER), 429.
 $C_{12}H_{22}O_4S_2$ Diacetyl derivative of sulphidobis- β -hydroxydiethyl sulphide (BENNETT and WHINCOP), 1863.
 $C_{12}H_{22}O_2N_2$ Ethyl *l*- γ -acetyl- α -isopropylbutyrate semicarbazone (SIMONSEN), 1653.
 $C_{12}H_{24}O_4N_2$ Piperitonehydroxylamino-oximes (SIMONSEN), 1651.

12 IV

- $C_{12}H_9O_2Cl_2S_2$ Substance, from oxidation of dichlorothianthren (RAY), 1962.
 $C_{12}H_9O_2N_2Ba$ Barium nitrophenoxides (GODDARD), 1162.
 $C_{12}H_9O_2N_2Ca$ Calcium nitrophenoxides (GODDARD), 1164.
 $C_{12}H_9O_2N_2Sr$ Strontium nitrophenoxides (GODDARD), 1163.
 $C_{12}H_{11}O_4N_2S$ 6-Acetylamino-1:2-naphthaquinone-2-oxime-3-sulphonic acid, cobaltic and β -naphthylamine salts (MORGAN and SMITH), 711.
 $C_{12}H_{11}O_2N_2Cl$ 8-Chloro-5-nitrotetrahydrocarbazole (PERKIN and PLANT), 1837.
 $C_{12}H_{11}O_4N_2S_2$ 8-Acetylamino-1:2-naphthaquinone-2-oxime-3:6-disulphonic acid, pentamminocobaltic salt (MORGAN and SMITH), 712.
 $C_{12}H_{13}O_2NCl$ Ethyl 7-chloro-1-iminohydrindene-2-carboxylate (KENNER and WITHAM), 1459.
 $C_{12}H_{13}O_2Cl_3Te$ Tellurium *O*-ethylbenzoylacetone trichloride (MORGAN and DREW), 618.
 $C_{12}H_{13}O_2NS_2$ Ethyldithionescxotolylamates (NAIK), 1237.
 $C_{12}H_{14}O_2N_2Cl$ cycloHexanone-2-chloro-5-nitrophenylhydrazone (PERKIN and PLANT), 1837.
 $C_{12}H_{14}O_4N_2Co$ *cis*-Phthalatodiethylenediaminecobaltic hydroxide, salts of (DUFF), 1984.
 $C_{12}H_{14}O_4N_2S_2$ Methylmalonodimethylamide disulphide (NAIK), 1239.

12 V

- $C_{12}H_{11}O_4N_2SAs_2$ 3:3'-Diamino-4:4'-dihydroxy-5-sulphinoarsenobenzene, hydrochloride of (KING), 1115.
 $C_{12}H_{11}O_4N_2SAs_2$ 3:3'-Diamino-4:4'-dihydroxy-5-sulphoarsenobenzene, hydrochloride of (KING), 1117.
 $C_{12}H_{11}O_4N_2S_2As_2$ 3:3'-Diamino-4:4'-dihydroxy-5:5'-disulphinoarsenobenzene (KING), 1113.
 $C_{12}H_{11}O_4N_2S_2As_2$ 3:3'-Diamino-4:4'-dihydroxy-5-sulpho-5'-sulphinoarsenobenzene (KING), 1118.
 $C_{12}H_{11}O_4N_2S_2As_2$ 3:3'-Diamino-4:4'-dihydroxy-5:5'-disulphoarsenobenzene (KING), 1116.
 $C_{12}H_{10}O_4N_2BrCo$ *cis*-Phthalatodiethylenediaminecobaltic bromide (+ 3H₂O) (DUFF), 1984.

 C_{12} Group.

- uH_{10} Fluorene, additive compounds of 4'-dimethylamino-2-hydroxydistyryl ketone with (HEILBRON and BUCK), 1511.

13 II

- $C_{15}H_{10}O$ Benzophenone, additive compounds of 4'-dimethylamino-2-hydroxy-distyryl ketone with (HEILBRON and BUCK), 1513.
- $C_{15}H_{14}O_3$ *ac*-1-Keto-3-methyltetrahydronaphthyl-3-acetic acid, and its silver salt (KON and STEVENSON), 90.
- $C_{15}H_{15}N$ 9-Methyltetrahydrocarbazole (PERKIN and PLANT), 1834.
- $C_{15}H_{15}N_2$ 6-Amino-9-methyltetrahydrocarbazole, and its picrate (PERKIN and PLANT), 1835.
- $C_{15}H_{18}O_3$ Ethyl cyclopentanespirocyclohexane-3:5-dione-2-carboxylate (+ H_2O) (NORRIS and THORPE), 1207.
- $C_{15}H_{15}O_3$ 1-Keto-3-methyloctahydronaphthyl-3-acetic acid, and its silver salt (KON and STEVENSON), 92.

13 III

- $C_{15}H_9O_4Cl$ Lactone of 7:8-dihydroxy-2:4-bistrichloromethyl-6:8-trichloro- α -hydroxyethyl-1:3-benzodioxine-5-carboxylic acid (ALIM-CHANDANI and MELDRUM), 206.
- $C_{15}H_8O_3N_2$ Nitro-3-keto-2-phenyl-1:3-dihydroindazoles, and their sodium salts (KENNER and WITHAM), 1056.
- $C_{15}H_8O_3N_2$ *p*-Nitrobenzaldoxime-*N*-*p*-nitrophenyl ether (BARROW and GRIFFITHS), 216.
- $C_{15}H_{10}O_3N_2$ Acetyl derivative of 2-carboxyindole-3-acetamide (KERMACK, PERKIN, and ROBINSON), 1624.
- p*-Nitrobenzaldoxime-*N*-phenyl ether (BARROW and GRIFFITHS), 213.
- $C_{15}H_{10}N_2Cl$ 6-Chloro-3-phenyl-3:4-tolylenediazoimine (MORGAN and JONES), 191.
- $C_{15}H_{14}ON$ Dimethyl 2-carboxyindole-3-acetate (KERMACK, PERKIN, and ROBINSON), 1623.
- $C_{15}H_{13}N_2Cl$ 6-Chloro-3-phenyl-3:4-tolylenediamine (MORGAN and JONES), 191.
- $C_{15}H_{14}N_2Cl$ Benzene-5-azo-6-chloro-2:4-tolylenediamine, and its dihydrochloride (MORGAN and JONES), 188.
- $C_{15}H_{16}ON_2$ Harmaline (KERMACK, PERKIN, and ROBINSON), 1602.
- $C_{15}H_{14}O_2N_2$ 6-Nitro-9-methyltetrahydrocarbazole (PERKIN and PLANT), 1834.
- $C_{15}H_{14}O_2N_2$ Diacetyl derivative of glycerol α :2:4-dinitrophenyl ether (FAIRBOURNE and TOMS), 1037.
- $C_{15}H_{13}O_3N$ Ethyl 6-methoxy-3-methylindole-2-carboxylate (KERMACK, PERKIN, and ROBINSON), 1640.
- $C_{15}H_{18}O_4N$ Ethyl α -keto- β -*o*-nitro-*p*-methoxyphenylbutyrate (KERMACK, PERKIN, and ROBINSON), 1639.
- $C_{15}H_{14}O_2N_2$ Methyl ether of 4-*p*-hydroxybenzylhydantoin *OO*-dimethyl ether (SCOTT and COHEN), 671.
- $C_{15}H_{16}O_2N_2$ *p*-Nitroanilino-ethoxyacetone (MORGAN and DREW), 622.
- $C_{15}H_{18}NI$ 6-Ethylquinaldine methiodide (MILLS, HARRIS, and LAMBOURSE), 1300.
- $C_{15}H_{17}O_3N$ Ethyl α -cyano- γ -carboxyglutamate, and its metallic salt (INGOLD and PERKIN), 1594.
- $C_{15}H_{19}ON$ β -Diethylaminopropiophenone, and its salts (McLEOD and ROBINSON), 1475.
- $C_{15}H_{22}O_4N_2$ Di(diethylaminomethyl)trimethylene ether (McLEOD and ROBINSON), 1473.

13 IV

- $C_{15}H_8O_2N_2Cl$ 3-Chloro-5-nitro-2-phenylindazole (KENNER and WITHAM), 1057.

- $C_{12}H_{10}O_2N_2Cl$ Chloronitrophenyltolylnitrosoamines (MORGAN and JONES), 190.
 $C_{12}H_{10}O_2N_2Cl$ Chloronitro-*N*-phenyltolindines (MORGAN and JONES), 190; (MORGAN and GLOVER), 1704.
 $C_{12}H_{11}O_3NS_1$ Ethyl γ -phenylcarbamyl- γ -hisdisulphidoacetate (NAIK), 1241.
 $C_{12}H_{10}O_3N_2S$ Benzenediazo-*p*-toluenesulphinate (DUTT, WHITEHEAD, and WORMALL), 2089.
 $C_{12}H_{12}O_2N_2Cl$ 4'-Nitrobenzene-5-azo-6-chloro-2,4-tolylenediamine (MORGAN and JONES), 183.
 $C_{12}H_{15}ON_2I$ Acetylaminquinaldine methiodides (HAMER), 1438.
 $C_{12}H_{15}ONBr$ α -Bromopropiono-*d*-hornylamide (SHIMOMURA and COHEN), 1822.
 $C_{12}H_{12}O_2N_2Co$ *cis*-Homophthalatodiethylenediaminecobaltic hydroxide, salts of (DUFF), 1936.

13 V

- $C_{12}H_{12}O_2N_2SCo$ *cis*-Benzylsulphoacetatodiethylenediaminecobaltic hydroxide, salts of (DUFF), 1935.

13 VI

- $C_{12}H_{12}O_2N_2BrSCo$ *cis*-Benzylsulphoacetatodiethylenediaminecobaltic bromide (+ 3H₂O) (DUFF), 1935.

C₁₄ Group.

- $C_{14}H_{10}$ Phenanthrene, additive compound of 4'-dimethylamino-2-hydroxy-distyryl ketone with (HEILBRON and BUCK), 1511.
 $C_{14}H_{12}$ 9:10-Dihydrophenanthrene, preparation of (HENSTOCK), 1461.
 $C_{14}H_{22}$ 1,4-Di-*n*-butylbenzene (MORGAN and HICKINBOTTOM), 1892.

14 II

- $C_{14}H_8O_4$ Ellagic acid, formation of, from gallocatannin (NIERENSTEIN, SPIERS, and GEAKE), 275.
 $C_{14}H_8Br_2$ Dibromophenanthrene (HENSTOCK), 57.
 $C_{14}H_8Br_2$ Bromophenanthrene dihydride (HENSTOCK), 57.
 $C_{14}H_{10}O_3$ 1-Hydroxy-3-methylxanthone, and its potassium derivative (PERKIN), 1291.
 $C_{14}H_{12}N_2$ 1:10-Dimethyl-5:6-naphthazinediazine (KENNER and STUBBINGS), 602.
 $C_{14}H_{10}O_3$ *ac*-1-Keto-3-ethyltetrahydronaphthyl-3-acetic acid, and its silver salt (KON and STEVENSON), 92.
 $C_{14}H_{12}N_4$ 6:6'-Diamino-2:2'-ditolyl (KENNER and STUBBINGS), 600.
 $C_{14}H_{16}O_4$ Ethyl cyclohexanespirocyclohexane-3:5-dione-2-carboxylate (+ H₂O) (NORRIS and THORPE), 1204.
 $C_{14}H_{22}N$ 2-Amino-1:4-di-*n*-butylbenzene, and its salts (MORGAN and HICKINBOTTOM), 1892.

14 III

- $C_{14}H_8OBr_2$ Dibromophenanthrone (HENSTOCK), 58.
 $C_{14}H_8O_2N_2$ Dilactam of γ -6:6'-diaminodiphenic acid (KENNER and STUBBINGS), 601.
 $C_{14}H_8O_2S_2$ Thianthrendicarboxylic acid (RÄV), 1968.
 $C_{14}H_8O_2N_4$ "Hydrazide" of γ -6:6'-dinitrodiphenic acid (KENNER and STUBBINGS), 600.
 $C_{14}H_8O_2N_4$ γ -6:6'-Dinitrodiphenic acid, and its salts (KENNER and STUBBINGS), 593.
 $C_{14}H_8O_2N$ Nitro-1-hydroxy-3-methylxanthenes (PERKIN), 1293.

- $C_{14}H_9NBr_2$ Dibromo-9-aminophenanthrene (HENSTOCK), 59.
 $C_{14}H_9OCl_2$ Diphenylchloroacetyl chloride, action of magnesium phenyl haloids on (MCKENZIE and BOYLE), 1131.
 $C_{14}H_{10}O_2S_2$ *m*-Dithiobenzoic acid (SMILES and STEWART), 1792.
 $C_{14}H_{10}O_2N_4$ γ -6:6'-Dinitrodiphenamide (KENNER and STUBBINGS), 599.
 $C_{14}H_{10}O_2S_2$ Benzoic acid *m*-disulphoxide (SMILES and STEWART), 1797.
 $C_{14}H_{10}N_4S$ 4'-Triazo-1-phenyl-5-methylbenzothiazole (MORGAN and WEBSTER), 1074.
 $C_{14}H_{10}Cl_2S_2$ Dichlorodimethylthianthren (RAY), 1963.
 $C_{14}H_{11}N_2Cl$ 5-Chloro-1-phenyl-6-methylbenziminazole (MORGAN and CHALLENGER), 1543.
 $C_{14}H_{15}ON_2$ Phenylglyoxalphenylhydrazone, preparation, tautomerism, and solubility of (SIDGWICK and EWBANK), 487.
 $C_{14}H_{15}O_2N_4$ Benzaldehydedinitrotolylhydrazones (BRADY and BOWMAN), 899.
 $C_{14}H_{15}O_2N_4$ 6-Nitro-*m*-xylene-4-azoresorcinol (PEARMAN), 717.
 $C_{14}H_{15}O_2N_4$ Diamide of $\alpha\alpha'$ -dicyano- β -benzylglutaric acid (KON and STEVENSON), 93.
 $C_{14}H_{15}O_2N_2$ 5- and 6-Nitro-9-acetyltetrahydrocarbazoles (PERKIN and PLANT), 1832.
 $C_{14}H_{15}O_2N_2$ *p*-Nitrobenzoyl derivative of β -hydroxy- β -3:4-methylene-dioxyphenylethylamine (MASON), 1080.
 $C_{14}H_{15}ClIBi$ Di-*p*-tolylchlorobismuthine (CHALLENGER and ALLFRESH), 917.
 $C_{14}H_{15}ON$ 9-Acetyltetrahydrocarbazole (PERKIN and PLANT), 1831.
 $C_{14}H_{15}O_2N_2$ Benzoyl derivative of α -methylamino- β -glyoxaline-4-*pro*-pionic acid (+ $\frac{1}{2}H_2O$) (FARCHER and PRYMAN), 738.
 $C_{14}H_{15}ON_2$ 6-Acetylaminotetrahydrocarbazole (PERKIN and PLANT), 1833.
 $C_{14}H_{15}O_2N_2$ Indole-2-carboxy- α -(carbethoxy)ethylamide (KERMACK, PERKIN, and ROBINSON), 1623.
 $C_{14}H_{15}O_2Cl$ Ethyl *m*-chlorobenzylmalonate (KENNER and WITHAM), 1400.
 $C_{14}H_{15}O_2N_2$ 4-*p*-Acetoxybenzylhydantoin *OO*-dimethyl ether (SCOTT and COHEN), 671.
 $C_{14}H_{15}O_2N_2$ Semicarbazone of α -1-keto-3-methyltetrahydronaphthyl-3-acetic acid (KON and STEVENSON), 91.
 $C_{14}H_{15}N_2I$ Phenylbenzylmethylazonium iodide, additive compound of thiocarbamide and (SINGH and LAL), 211.
 $C_{14}H_{15}N_2Cl_2$ 3:7-Diamino-8-methylphenazine methochloride (COHEN and CRABTREE), 2063.
 $C_{14}H_{15}ON_2$ *cyclo*Hexanone-*p*-acetylaminophenylhydrazone (PERKIN and PLANT), 1833.
 $C_{14}H_{15}ON$ 6-Acetyl amino-*m*-1-xylyl α -propyl ketone (MORGAN and HICKINBOTTOM), 1890.
 $C_{14}H_{15}O_2N_2$ 2-Nitro-1:4-di-*n*-butylbenzene (MORGAN and HICKINBOTTOM), 1892.
 $C_{14}H_{15}O_2N_2$ Semicarbazone of 1-keto-3-methyloctahydronaphthyl-3-acetic acid (KON and STEVENSON), 93.
 $C_{14}H_{15}O_2N$ Ethyl ω -cyanomethanetriacetate (INGOLD), 340, 352.

14 IV

- $C_{14}H_9O_2N_2Cl_2$ Chloride of γ -6:6'-dinitrodiphenic acid (KENNER and STUBBINGS), 599.
 $C_{14}H_9ONBr_2$ Dibromo-9-nitrophenanthrene (HENSTOCK), 58.
 $C_{14}H_9ONBr_2$ Dibromophenanthreneoxime (HENSTOCK), 58.
 $C_{14}H_{10}ONCl$ Benzoyl derivative of 2-chloro-5-nitro-*p*-cresol (DAVIES), 867.

- $\gamma_1\text{H}_{10}\text{O}_{10}\text{N}_2\text{Cd}$ Cadmium dinitrotolyloxides (D. and A. E. GODDARD), 2048.
 $\gamma_1\text{H}_{10}\text{O}_{10}\text{N}_2\text{Mg}$ Magnesium dinitrotolyloxides (D. and A. E. GODDARD), 2048.
 $\gamma_1\text{H}_{10}\text{O}_{10}\text{N}_2\text{Sr}$ Strontium dinitrotolyloxides (D. and A. E. GODDARD), 2047.
 $\gamma_1\text{H}_{10}\text{O}_{10}\text{N}_2\text{Zn}$ Zinc dinitrotolyloxides (D. and A. E. GODDARD), 2048.
 $\gamma_1\text{H}_{10}\text{NCIS}$ 4'-Chloro-1-phenyl-5-methylbenzothiazole (MORGAN and WEBSTER), 1074.
 $\gamma_1\text{H}_{11}\text{ONS}$ 1-Phenyl-5-methylbenzothiazole-4'-diazonium hydroxide, salts of (MORGAN and WEBSTER), 1073, 1076.
 $\gamma_1\text{H}_{11}\text{O}_2\text{N}_2\text{S}_2$ 1-Phenyl-5-methylbenzothiazole-4'-diazosulphonic acid, sodium salts (MORGAN and WEBSTER), 1075.
 $\gamma_1\text{H}_{12}\text{O}_2\text{N}_2\text{S}$ *N*-Sulphidobisbenzamide (NAIK), 1168.
 $\gamma_1\text{H}_{12}\text{O}_4\text{N}_2\text{S}_2$ Disulphidobis-salicylamide (NAIK), 1169.
 $\gamma_1\text{H}_{12}\text{O}_4\text{N}_2\text{Ba}$ Barium nitrotolyloxides (D. and A. E. GODDARD), 2046.
 $\gamma_1\text{H}_{12}\text{O}_4\text{N}_2\text{Ca}$ Calcium nitrotolyloxides (D. and A. E. GODDARD), 2046.
 $\gamma_1\text{H}_{12}\text{O}_4\text{N}_2\text{Mg}$ Magnesium nitrotolyloxides (D. and A. E. GODDARD), 2047.
 $\gamma_1\text{H}_{12}\text{O}_4\text{N}_2\text{Sr}$ Strontium nitrotolyloxides (D. and A. E. GODDARD), 2046.
 $\gamma_1\text{H}_{15}\text{O}_4\text{NBr}$ Ethyl ester of α -bromopropionyl-L-tyrosine (SHIMOMURA and COHEN), 1923.

C₁₅ Group.

- $\gamma_1\text{H}_{10}\text{O}_1$ 1,6-Dihydroxy-2-methylantraquinone (SIMONSEN and RAU), 1339.
 $\text{C}_{15}\text{H}_{10}\text{O}_2$ 9-Acetoxyflnorene, preparation of (HENSTOCK), 1468.
 $\text{C}_{15}\text{H}_{10}\text{O}_2$ 1-Hydroxy-3-methylxanthone methyl ether (PERKIN), 1292.
 $\text{C}_{15}\text{H}_{11}\text{O}_6$ Catechin, constitution of (NIERENSTEIN), 164.
 2:4:6:3':4'-Pentahydroxy-3-phenylchroman (NIERENSTEIN), 169.

15 III

- $\text{C}_{15}\text{H}_9\text{O}_6\text{Cl}_3$ Lactone of 7:8-*BBB*-trichloroethylidenedioxy-2:4-bis-trichloromethyl-6-*BBB*-trichloro- α -hydroxyethyl-1:3-benzodioxine-5-carboxylic acid (ALIMCHANDANI and MELDRUM), 208.
 $\text{C}_{15}\text{H}_9\text{O}_6\text{Cl}_3$ Lactone of 7:8-dimethoxy-2:4-bis-trichloromethyl-6-*B*-trichloro- α -hydroxyethyl-1:3-benzodioxine-5-carboxylic acid (ALIMCHANDANI and MELDRUM), 207.
 $\gamma_1\text{H}_{10}\text{N}_2\text{S}$ 4'-Cyano-1-phenyl-5-methylbenzothiazole (MORGAN and WEBSTER), 1076.
 $\text{C}_{15}\text{H}_{11}\text{O}_4\text{Cl}_3$ 3:4:5-Triacetoxy-2-trichloromethylphthalide (ALIMCHANDANI and MELDRUM), 206.
 $\text{C}_{15}\text{H}_{15}\text{O}_2\text{N}_2$ 3:5-Dimethylisooxazole-4-azo- β -naphthol (MORGAN and BURGESS), 702.
 $\text{C}_{15}\text{H}_{15}\text{O}_2\text{N}_2$ 4-Nitro-2-carbethoxyazobenzene (KENNER and WYTHAM), 1056.
 $\text{C}_{15}\text{H}_{15}\text{O}_2\text{N}_2$ 6-Nitro-*m*-xylene-4-azosalicylic acid (PEARMAN), 718.
 $\text{C}_{15}\text{H}_{13}\text{N}_3\text{Br}$ 5-Amino-4-(2'-amino-5'-bromophenyl)-2-phenylglyoxaline, and its salts (FARGHER), 160.
 $\text{C}_{15}\text{H}_{15}\text{ON}_4$ 3:5-Dimethylisooxazole-4-azo- β -naphthylamine (MORGAN and BURGESS), 703.
 $\text{C}_{15}\text{H}_{15}\text{ON}$ β -Amino- β -phenylpropiophenone (McKENZIE and BARROW), 69.
 $\text{C}_{15}\text{H}_{15}\text{O}_2\text{N}_2$ *p*-Nitrobenzaldoxime-*N*-*p*-ethylaminophenyl ether (BARROW and GRIFFITHS), 215.
 $\text{C}_{15}\text{H}_{15}\text{O}_2\text{N}_2$ *p*-Nitrobenzaldoxime-*N*-*p*-dimethylaminophenyl ether (BARROW and GRIFFITHS), 214.

- $C_{13}H_{11}O_4N$ β -Carbethoxy- α -methylvinyl indole-2-carboxylate (KERMACK, PERKIN, and ROBINSON), 1629.
- $C_{13}H_{13}O_2N_2$ Nitrocarbethoxyhydrazobenzenes (KENNER and WITHAM), 1056.
- $C_{13}H_{16}ON_2$ β -Amino-*p*-phenylpropionanilide (McKENZIE and BARROW), 71.
- $C_{13}H_{17}O_2N$ 4-Dimethylamino-2-hydroxybenzhydrol, and its salts (KRISHNA and POPE), 287.
- $C_{13}H_{17}O_2N_3$ 3:5-Dicyano-2:6-diketo-4-cyclohexenylmethyl-4-methylpiperidine (KON and STEVENSON), 92.
- $C_{13}H_{17}O_2N_3$ Antipyrrolaminodiacetic acid, and its salts, additive compounds of, with neutral salts (FARGHER and KING), 292.
- $C_{13}H_{18}ON_2$ 6-Acetylamino-9-methyltetrahydrocarbazole (PERKIN and PLANT), 1335.
- $C_{13}H_{14}N_2Cl_2$ 3:7-Diamino-2:8-dimethylphenazine methochloride (CONEX and CRABTREE), 2067.
- $C_{13}H_{15}ON$ Anilide of lactonic acid $C_{10}H_{11}O_4$ (BIRCH, GOUGH, and KUN), 1327.
- $C_{13}H_{15}O_2N$ Anilic acid from cyclo-hexane-1-acetic-1-carboxylic acid (NORRIS and THORPE), 1207.
- $C_{13}H_{19}O_3N_2$ Semicarbazone of α -1-keto-3-ethyltetrahydronaphthyl-3-acetic acid (KON and STEVENSON), 92.
- $C_{13}H_{19}O_3N_2$ Indole-2-carboxyacetylamide (KERMACK, PERKIN, and ROBINSON), 1626.
- $C_{13}H_{21}O_2N_3$ Eserine, degradation of (STEDMAN), 391.
- $C_{15}H_{21}O_5Ga$ Gallium acetylacetone (MORGAN and DREW), 1061.
- $C_{15}H_{21}O_5In$ Indium acetylacetone (MORGAN and DREW), 1062.
- $C_{15}H_{23}O_5N$ Ethyl α - and ω -cyano- ω -methylmethanetriacetates (INGOLD and PERREN), 1600, 1663.

15 IV

- $C_{15}H_9O_2N_2Br$ Dibromomalon-2:4:6-tribromoanilide (BACKES, WEST, and WHITELEY), 375.
- $C_{15}H_9O_2N_2Br_2$ Dibromomalon-2:4-dibromoanilide (BACKES, WEST, and WHITELEY), 374.
- $C_{15}H_9O_2N_2S_2$ Tetranitrodithiomesoxanilide (NAIK), 383.
- $C_{15}H_{10}O_2N_2Br_2$ Dibromomalon-*p*-bromoanilide (BACKES, WEST, and WHITELEY), 374.
- $C_{15}H_{11}O_2N_2Br_2$ Bromomalon-*p*-bromoanilide (BACKES, WEST, and WHITELEY), 374.
- $C_{15}H_{12}O_2N_2Br_2$ Dibromomalouanilide (BACKES, WEST, and WHITELEY), 373.
- $C_{15}H_{13}O_2N_2S_2$ Dithiomesoxanilide (NAIK), 382.
- $C_{15}H_{15}ONCl$ β -*m*-Chlorophenylpropionanilide (KENNER and WITHAM), 1460.
- $C_{15}H_{15}O_2NBr$ Dibromo-derivative of 4-dimethylamino-2-hydroxybenzhydrol (KRISHNA and POPE), 287.

 C_{16} Group.

- $C_{16}H_{12}O_4$ *o*-Dimethylanthraquinones (FAIRBOURNE), 1573.
- $C_{16}H_{14}O_4$ 4'-Hydroxy-2-methoxy-3-methylbenzophenone-6-carboxylic acid, and its silver salt (SIMONSEN and RAV), 1346.
- $C_{16}H_{19}As$ Phenyl- γ -phenylpropylmethylarsine (BURROWS and TERNER), 431.
- $C_{16}H_{24}O_4$ Ethyl *n*-butane- $\alpha\beta\gamma\delta$ -tetracarboxylate (INGOLD), 348.
- Ethyl carboxymethanetriacetate (INGOLD and POWELL), 1373.
- $C_{16}H_{22}O_2$ Palmitic acid, sodium salt, adsorption by (LAING), 1669.

16 III

- $C_{14}H_8O_2N_2$ 9:10-Dinitro-2-ethoxyphenanthrene (HENSTOCK), 61.
 $C_{14}H_{11}O_2N_2$ 1-Benzoyl-4(or 5)-nitrophenylglyoxalines (GRANT and PYMAN), 1899.
 $C_{14}H_{11}ON_2$ 1-Benzoyl-4(or 5)-phenylglyoxaline (GRANT and PYMAN), 1899.
 $C_{16}H_{11}O_2S_2$ Diacetylthianthren (RÄY), 1965.
 $C_{16}H_{11}O_2N_2$ Methyl γ -6:8'-dinitrodiphenate (KENNER and STURRINGS), 599.
 $C_{16}H_{11}OBr$ 10-Bromo-2-ethoxyphenanthrene (HENSTOCK), 60.
 $C_{16}H_{11}O_2N_2$ Substance from benzenediazonium chloride and 4-*p*-hydroxybenzylhydantoin (SCOTT and COHEN), 671.
 $C_{16}H_{12}O_2N_2$ Carbethoxyaminophenanthridone (KENNER and STURRINGS), 601.
 Phenylpiazones (FARGHER and PERKIN), 1743.
 $C_{16}H_{13}O_2N$ Anilino-*m*-opianic acid (FARGHER and PERKIN), 1739.
 Substance, from anilino-*m*-opianic acid and hydrochloric acid (FARGHER and PERKIN), 1740.
 $C_{16}H_{13}O_2N_2$ Benzaldehyde 4-nitro-2-carbethoxyphenylhydrazone (KENNER and WITHAM), 1055.
 $C_{16}H_{14}O_2N_2$ *n*-Butyrophe none-3-azoresorcinol (MORGAN and HICKINBOTTOM), 1884.
 $C_{16}H_{14}O_2N_2$ 3-Nitro-4-hydroxyphenyl *n*-propyl ketone *p*-nitrophenylhydrazone (MORGAN and HICKINBOTTOM), 1888.
 $C_{16}H_{15}O_2N_2$ Phenyl *n*-propyl ketone *p*-nitrophenylhydrazone (MORGAN and HICKINBOTTOM), 1882.
 $C_{16}H_{17}O_2N_2$ 3-Hydroxyphenyl *n*-propyl ketone *p*-nitrophenylhydrazone (MORGAN and HICKINBOTTOM), 1885.
 $C_{16}H_{17}NOCl$ 4-Chlorophenyl *n*-propyl ketone phenylhydrazone (MORGAN and HICKINBOTTOM), 1886.
 $C_{16}H_{18}O_2N_2$ 5-Hydroxy-4-methoxy-*o*-tolyl methyl ketone phenylhydrazone (FARGHER and PERKIN), 1733.
 $C_{16}H_{18}O_2S_2$ $\beta\beta'$ -Diphenoxydiethyl disulphide (BENNETT), 425.
 $C_{16}H_{19}O_2N_2$ *o*- and *p*-Nitrophenyliminocamphor (FORSTER and SAVILLE), 794.
 $C_{16}H_{19}O_2S_2$ 3:5:3':5'-Tetraketo-4:4'-bisdithio-1:1':1':1'-tetramethylcyclohexyl 2:2'-disulphide (NAIK), 1240.
 $C_{17}H_{15}ON$ Anilide of cyclopentanespirocyclohexane-3:5-dione (NORRIS and THORPE), 1207.
 $C_{16}H_{17}O_2N_2$ *o*- and *p*-Nitrophenylnitrosoaminocamphor (FORSTER and SAVILLE), 793.
 $C_{16}H_{19}O_2N_2$ Dinitrophenylaminocamphor (FORSTER and SAVILLE), 792.
 $C_{16}H_{17}NI$ Phenylbenzylallylazonium iodide, additive compound of thiocarbamide and (SINGH and LAL), 211.
 $C_{16}H_{19}O_2N_2$ *N*-Phenylcamphorimidoxime and Phenylnitrosoaminocamphor (FORSTER and SAVILLE), 792.
 $C_{16}H_{20}N_4Cl_2$ 3-Amino-7-dimethylamino-2-methylphenazine methochloride (COHEN and CHANTREY), 2058.
 $C_{16}H_{21}ON$ Phenylaminocamphor, hydrochloride of (FORSTER and SAVILLE), 791.
 $C_{16}H_{21}NI$ Phenylbenzylpropylazonium⁺ iodide, additive compound of thiocarbamide and (SINGH and LAL), 211.
 $C_{16}H_{21}ON_2$ *p*-Aminophenylaminocamphor, and its dihydrochloride (FORSTER and SAVILLE), 794.
 $C_{16}H_{21}O_2N_2$ 1-Methylindole-2-carboxyacetylamide (KERMACK, PERKIN, and ROBINSON), 1637.
 Scatole-2-carboxyacetylamide (KERMACK, PERKIN, and ROBINSON), 1635.

$C_{15}H_{22}O_4N_2$ 6-Methoxyindole-2-carboxyacetalylamide (KERMACK, PERKIN, and ROBINSON), 1633.

16 IV

- $C_{15}H_{16}O_4N_2S$ *N*-Sulphidodiphtalimide (NAIK), 1170.
 $C_{17}H_{16}O_2N_2S_2$ 5-Disulphido-1:3-diphenylbarbituric acid (NAIK), 385.
 $C_{16}H_{12}NBr_2$ Dibromo-9-acetylaminophenanthrene (HENSTOCK), 59.
 $C_{14}H_{11}O_4N_2Br$ 4-*p*-Bromobenzeneazo-2-phenylglyoxaline-5-carboxylic acid, and its sodium salt (FARGHER), 159.
 $C_{16}H_{11}O_4N_2Br$ 5-Bromo-1:3-diphenylbarbituric acid (BACKES, WEST, and WHITELEY), 378.
 $C_{17}H_{11}ON_2S$ 2-Acetyl-3-oxy(1)thionaphthenphenylhydrazone (SMILES and McCLELLAND), 1814.
 $C_{16}H_{14}O_2N_2S_2$ Diacetylaminothianthren (RÄV), 1964.
 $C_{14}H_{15}O_2N_2Cl_2$ 3:4-Dichlorophenyl *n*-propyl ketone *p*-nitrophenylhydrazone (MORGAN and HICKINBOTTOM), 1889.
 $C_{14}H_{15}O_2N_2Cl$ 4-Chloro-3-nitrophenyl *n*-propyl ketone *p*-nitrophenylhydrazone (MORGAN and HICKINBOTTOM), 1888.
 $C_{16}H_{15}O_2N_2Cl$ 4-Chloro-3-nitrophenyl *n*-propyl ketone phenylhydrazone (MORGAN and HICKINBOTTOM), 1888.
 Chlorophenyl *n*-propyl ketone *p*-nitrophenylhydrazones (MORGAN and HICKINBOTTOM), 1885.

 C_{17} Group.

- $C_{17}H_8O_8$ Benzophenone-2:4:2':4'-tetracarboxylic acid ketodilactone (MILLS and NODDER), 2099.
 $C_{17}H_{10}O_8$ Benzhydrol-2:4:2':4'-tetracarboxylic acid lactone (MILLS and NODDER), 2102.
 $C_{17}H_{11}O_4$ 1:6-Dimethoxy-2-methylantraquinone (SIMONSEN and RAU), 1347.
 Phenoleitraconein, and its potassium salt (KRISHNA and POPE), 289.
 $C_{17}H_{15}As$ Phenyl- α -naphthylmethylarsine (BURNOWS and TURNER), 482.
 $C_{17}H_{16}O_3$ Eugenol benzoates, melting points of (McKIE), 777.
 $C_{17}H_{16}O_6$ 2:4'-Dimethoxy-3-methylbenzophenone-6-carboxylic acid, and its silver salt (SIMONSEN and RAU), 1347.
 $C_{17}H_{14}Br_2$ Hydrocarbon, from petroleum extract of the bromination of phenanthrene (HENSTOCK), 60.
 $C_{17}H_{18}O$ Di-*m*-xylyl ketone, preparation of (MILLS and NODDER), 2099.
 $C_{17}H_{19}O$ Benzylidene-*dl*-piperitone (READ and SMITH), 784.
 $C_{17}H_{16}O_8$ Ethyl cyclopentane-1:2:2:3-tetracarboxylate (PARKIN and ROBINSON), 1397.

17 III

- $C_{17}H_8O_4Cl_2$ Acid chloride of benzophenone-2:4:2':4'-tetracarboxylic acid ketodilactone (MILLS and NODDER), 2100.
 $C_{17}H_8O_4Cl$ Lactone of 7:8-diacetoxy-2:4-bis(trichloromethyl)-6:8-trichloro- α -hydroxyethyl-1:3-benzodioxine-5-carboxylic acid (ALICE-CHANDANI and MELDRUM), 207.
 $C_{17}H_{10}O_4Br_4$ Tetrabromophenoleitraconein (KRISHNA and POPE), 290.
 $C_{17}H_{11}N_2Cl$ 10-Chloro-9-methyl- α - β -naphthaphenazine (MORGAN and CHALLENOR), 1540.
 $C_{17}H_{14}ON$ Anilide of cyclohexanespirocyclohexane-3:5-dione (NORRIS and THORPE), 1206.
 $C_{17}H_{13}O_2N$ Dihydroxynaphthylideneanilines (MORGAN and VINING), 179.
 $C_{17}H_{15}O_4N$ β -Phthalimino- β -phenylpropionic acid (McKENZIE and BARNOW), 73.

- $C_{17}H_{15}O_2N_2$ 2-Carboxyindole-3-acetanilide (KERMACK, PERKIN, and ROBINSON), 1626.
- $C_{17}H_{15}OAS$ Phenyl- α -naphthylmethylarsine oxide (BURROWS and TURNER), 432.
- $C_{17}H_{15}O_2N$ Anilino-4:5-dimethoxyphthalonic acid, aniline salt (FARGHER and PERKIN), 1738.
- $C_{17}H_{15}O_4N_2$ 1-Tolnene-*p*-sulphonylnaphthylenediaminesulphonic acids, and their sodium salts (MORGAN and CRIST), 608.
- $C_{17}H_{17}O_2N$ 3-Benzoylamino-phenyl-*n*-propyl ketone (MORGAN and HICKIN-BOTTOM), 1884.
- $C_{17}H_{15}O_4AS$ Hydroxyphenyl- α -naphthylmethylarsonium hydroxide, bromocamphorsulphonate of (BURROWS and TURNER), 432.
- $C_{17}H_{17}ON$ Methyl anilino-*m*-opianate (FARGHER and PERKIN), 1741.
- p*-Toluidino-*m*-opianic acid (FARGHER and PERKIN), 1739.
- $C_{17}H_{15}O_2N_2$ Dianilinoacetylacetone (MORGAN and DREW), 622.
- $C_{17}H_{15}O_2N_2$ Mesondibenzylamide (BACKES, WEST, and WHITELEY), 370.
- $C_{17}H_{15}O_2N_2$ $\alpha\alpha'$ -Dihydroxyglutardianilides (INGOLD), 323.
- Opianic acid phenylmethylhydrazones (FARGHER and PERKIN), 1743.
- $C_{17}H_{17}ON$ Benzoyl-*n*-butyleniline (MILLS, HARRIS, and LANBOURN), 1298.
- $C_{17}H_{17}O_2N$ 4-Dimethylamino-2-acetoxybenzhydrol (KRISHNA and POPE), 287.
- $C_{17}H_{15}O_2N_2$ *p*-Nitrobenzaldoxime-*N*:*N*-diethylaminophenyl ether (BARROW and GRIFFITHS), 215.
- $C_{17}H_{15}N_2Cl$ 6(7)-Chloro-7(6)-methylcamphanoquinoxaline (MORGAN and CHALLENGER), 1540.
- $C_{17}H_{15}O_2N_2$ Di-*p*-nitrophenylhydrazinoacetylacetone (MORGAN and DREW), 621.
- $C_{17}H_{15}ON$ Anilino-methylene-epicamphor (PERKIN and TITLEY), 1100.
- Benzylidene-*di*-piperitoxime (KID and SMITH), 788.
- $C_{17}H_{15}IAS$ Phenyl- γ -phenylpropylmethylarsine methiodide (BURROWS and TURNER), 431.
- $C_{17}H_{15}O_4N_2$ 1:5-Dimethylindole-2-carboxyacetylaldehyde (KERMACK, PERKIN, and ROBINSON), 1637.
- $C_{17}H_{15}O_2N$ Ethyl- α -cyano- α -butane- $\alpha\beta\gamma\delta$ -tetraacetoxyate (INGOLD), 348.

17 IV

- $C_{17}H_{15}ONCl$ β -Phthalimino- β -phenylpropionyl chloride (McKENZIE and BARROW), 73.
- $C_{17}H_{15}O_2N_2S_2$ Tetranitrodithiomesoxotoluidides (NAIK), 1235.
- $C_{17}H_{15}O_2N_2Br$ Dihydroxynaphthaldehyde phenylhydrazones (MORGAN and VINING), 178.
- $C_{17}H_{15}O_2N_2Br_4$ Dibromomalonbromotoluidides (BACKES, WEST, and WHITELEY), 376.
- $C_{17}H_{15}O_2N_2S_2$ $\alpha\gamma$ -Disulphidoacetonedicarboxydianilide (NAIK), 1240.
- $C_{17}H_{15}O_2N_2Br_3$ Bromomalon-4-bromo-*o*-toluidide (BACKES, WEST, and WHITELEY), 377.
- $C_{17}H_{15}O_2N_2Br_2$ Dibromomalondibenzylamide (BACKES, WEST, and WHITELEY), 371.
- Dibromomalon-*p*-toluidide (BACKES, WEST, and WHITELEY), 376.
- Malonbromotoluidides (BACKES, WEST, and WHITELEY), 376.
- $C_{17}H_{15}O_2N_2S$ Toluene-*p*-sulphonyl-1:4-naphthylenediamine (MORGAN and CRIST), 604.
- $C_{17}H_{15}O_2N_2S_2$ Dithiomesoxodibenzylamide (NAIK), 384.
- Dithiomesoxotoluidides (NAIK), 1235.

- $C_{17}H_{15}O_2NCl$ Phenylchloroacetyl-L-tyrosine (SHIMOMURA and COHEN), 1824.
 $C_{17}H_{13}O_2N_2Cl$ Diacetyl derivative of 4'-nitrobenzene-5-azo-6-chloro-2,4-tolylene-diamine (MORGAN and JONES), 188.
 $C_{17}H_{17}O_2N_2Br$ Bromomalondibenzylamide (BACKES, WEST, and WHITELEY), 370.
 Bromomalon-p-tolnide (BACKES, WEST, and WHITELEY), 375.
 $C_{17}H_{17}O_2N_2Cl$ Diacetyl derivative of benzene-5-azo-6-chloro-2,4-tolylene-diamine (MORGAN and JONES), 183.

C₁₈ Group.

- $C_{18}H_{18}O_5$ Piperonyldece derivative of 5-hydroxy-4-methoxy-o-tolyl methyl ketone (FARGHER and PERKIN), 1733.
 $C_{18}H_{18}O_2$ Benzylidene derivative of 4:5-dimethoxy-o-tolyl methyl ketone (FARGHER and PERKIN), 1732.
 $C_{18}H_{18}O_4$ Methyl 2:4'-dimethoxy-3-methylbenzophenone-6-carboxylate (SIMONSEN and RAU), 1346.
 $C_{18}H_{18}O_4$ Benzoyloxymethylene-epicanphor (PERKIN and TITLEY), 1029.
 $C_{18}H_{34}O_2$ Linolenic acid, and its salts (COFFEY), 1306; oxidation of (COFFEY), 1409.
 $C_{18}H_{32}O_2$ Linolic acid, oxidation of (COFFEY), 1408.

18 III

- $C_{18}H_{14}O_4N_4$ "Diacetylhydrazide" of γ -6:6'-dinitrodiphenic acid (KENNER and STUBBINGS), 600.
 $C_{18}H_{14}ON_2$ Cinnamoylaminoquinolines (HAMER), 1437.
 $C_{18}H_{18}O_4N$ Methyl β -phthalimino- β -pheoylpropionate (MCKENZIE and BARROW), 74.
 $C_{18}H_{15}O_2Cl_3$ 333-Trichloro-4:4'-dihydroxy- α -di-m-tolylethane-5:5'-dicarboxylic acid, and its calcium salt (ALIMCHANDANI and MELDRUM), 209.
 $C_{18}H_{14}O_2N_2$ γ -6:6'-Diacetylaminediphenic acid (KENNER and STUBBINGS), 600.
 $C_{18}H_{14}O_2N_2$ Ethyl γ -6:6'-dinitrodiphenate (KENNER and STUBBINGS), 599.
 $C_{18}H_{14}O_2N_4$ Dinitro-2:3:6:7-tetramethoxyanthraquinonedimide (KEFFLER), 1481.
 $C_{18}H_{17}O_2N$ p-Toluidino-4:5-dimethoxyphthalonic acid, p-toluidine salt (FARGHER and PERKIN), 1739.
 $C_{18}H_{14}O_2N_4$ Diacetyl derivative of 6-nitro-m-xylene-4-azoresorcinol (PELDMAN), 717.
 $C_{18}H_{18}O_4N_4$ 2:3:6:7-Tetramethoxyanthraquinonedimide (KEFFLER), 1480.
 $C_{18}H_{15}O_4N_2$ Ethyldecebie-p-nitrophenylacetamide (GUITA), 302.
 $C_{18}H_{15}O_2N_2$ o-Azoxy-p-methoxyphenylacetic acid (KERMACK, PERKINS, and ROBINSON), 1631.
 $C_{18}H_{18}N_2Cl_2$ Tetramethylenebis-2-chloro-4:5-diaminotoluene (MORGAN and CHALLENOR), 1541.
 $C_{18}H_{17}IAS$ Phenyl- α -naphthylmethylarsine methiodide (BURROWS and TURNER), 432.
 $C_{18}H_{22}O_2N_2$ 6:6'-Diacetylamino-2:2'-ditolyl (KENNER and STUBBINGS), 600.
 Methylmalonotoluidides (NAIK), 1238.
 $C_{18}H_{21}O_2N_2$ m-4-Xylol-m-propyl ketone p-otitrophenylhydrazone (MORGAN and HICKINBOTTOM), 1839.
 $C_{18}H_{23}N_2Cl$ 3-Amino-2-methyl-N-methyltetrahydroquinolinophenazine methochloride (COHEN and CRABTREE), 2055.
 $C_{18}H_{23}O_2N$ Phenylacetylamino-camphor (FORSTER and SAVILLE), 791.
 $C_{18}H_{25}O_2Cl$ L-Menthyl dL-phenylchloroacetate (SHIMOMURA and COHEN), 1818.

- $C_{18}H_{25}O_2Br$ *l*-Menthyl *dl*-phenylbromoacetate (SHIMOMURA and COHEN), 1820.
 $C_{18}H_{27}O_5N$ Ethyl ω -cyano- ω' -carboxy- ω'' -methylmethanetriacetate (INGOLD and PERREN), 1599.
 $C_{12}H_{20}O_8Br_2$ Hexabromostearic acid, and its salts (COFFEY), 1306.
 $C_{18}H_{31}O_2N_3$ Tri(diethylaminomethyl) glyceryl ether (McLEOD and ROBINSON), 1473.

18 IV

- $C_{15}H_{13}O_4N_2S_2$ *BB'*-Di-*p*-nitrobenzoyldiethyl disulphide (BENNETT and WHINCOP), 1861.
 $C_{15}H_{21}ONCl$ Phenylchloroaceto-*d*-bornylamide (SHIMOMURA and COHEN), 1823.
 $C_{16}H_{23}ONCl$ Phenylchloroaceto-*l*-menthylamide (SHIMOMURA and COHEN), 1823.

C₁₀ Group.

- $C_{10}H_{12}N$ 5-Phenylacridine, picrates of (BASSETT and SIMMONS), 417.
 $C_{10}H_8O_5$ Acetyl derivative of 1:6-dimethoxy-2-methylantraquinone (SIMONSEN and RAU), 1347.
 $C_{10}H_6O_3$ Fluoran derivative of citraconic anhydride (KRISHNA and POPE), 291.
 $C_{11}H_{16}O_4$ Phenolcitraconcin dimethyl ether (KRISHNA and POPE), 290.
 $C_{10}H_8O_4$ 4:6:3':4'-Tetramethoxy-3-phenylchroman-2-one (NIERENSTEIN), 167.
 $C_{10}H_8O_4$ 2-Hydroxy-4:6:3':4'-tetramethoxy-3-phenylchroman (NIERENSTEIN), 168.
 $C_{10}H_{12}O_3$ *l*-Bornyl α -hydroxy- β -phenylpropionates (WREN and WRIGHT), 802.
 $C_{10}H_{12}O_3$ *l*-Menthyl-*d*-atrolactinate (WREN and WRIGHT), 800.
 $C_{10}H_{12}O_3$ *l*-Menthyl-*l*- α -hydroxy- β -phenylpropionate (WREN and WRIGHT), 802.
 $C_{10}H_{16}O_{11}$ Hexamethyl methylcelllobioside (HAWORTH and HIRST), 198.

19 III

- $C_{11}H_{11}NBr$ Anthranilpyridinium bromide (+ H_2O) (BARNETT and COOK), 907.
 $C_{11}H_{11}ON$ Anthranilpyridinium hydroxide, salts of (BARNETT and COOK), 907.
 $C_{11}H_{15}ON_2$ Cinnamoylaminoguinidines (HAMER), 1437.
 $C_{11}H_{15}O_3N_2$ Anhydride of 2-carboxyindole-3-acetanilide and acetic acid (KEMACK, PERKIN, and ROBINSON), 1625.
 $C_{11}H_{15}ON_2$ 6-Benzoylaminotetrahydrocarbazole (PERKIN and PLANT), 1833.
 $C_{11}H_{15}O_3N_2$ *cyclo*Pentanone-3:4-dicarboxyanilide (INGOLD), 350.
 $C_{11}H_{15}O_3N$ 4'-Dimethylamino-2-hydroxydistyryl ketone, and its additive products (HEILBRON and BUCK), 1500, 1515.
 $C_{11}H_{15}O_3N_2$ Acetonedicarboxyditoluides (NAIR), 1241.
 $C_{11}H_{15}O_3N_2$ Dianilic acid from methanetriacetic acid (INGOLD), 353.
 $C_{11}H_{15}O_3N_2$ Hydroxylamino-derivative of 4'-dimethylamino-2-hydroxy-distyryl ketone (HEILBRON and BUCK), 1518.
 $C_{11}H_{15}O_3N_2$ $\alpha\alpha'$ -Dihydroxyglutardi-*p*-toluides (INGOLD), 323.
 $C_{11}H_{15}O_3N_2$ Hydroxylamino-derivative of 4'-dimethylamino-2-hydroxy-distyryl ketoxime (HEILBRON and BUCK), 1518.
 $C_{11}H_{15}O_3N_2$ Nitrobenzaldoxime-*N*-*p*-di-*n*-propylaminophenyl ether (BARROW and GRAFFITHS), 215.
 $C_{11}H_{15}O_3N_2$ Ethyl antipyrylaminodiacetate (FARGHER and KING), 297.

$C_{11}H_{17}O_2Br$ *L*-Menthyl *DL*-α-bromo-β-phenylpropionate (SHIMOMURA and COHEN), 1821.

19 IV

$C_{11}H_{11}ONBr_3$ Anthranilpyridinium perbromide (BARNETT and COOK), 907.

$C_{12}H_{17}ON_2I$ Cinnamoylaminoquinoline methiodides (HAMER), 1437.

$C_{12}H_{16}O_2N_2S_2$ α,γ-Disulphidoacetonedicarboxyditoluidides (NAIK), 1241.

$C_{12}H_{11}ON_4I$ Phenylhydrazine derivative (+ 3H₂O) of substance C₁₂H₉O₄I (COLLIE and REILLY), 1554.

$C_{11}H_{15}O_4NCl$ Ethyl ester of phenylethylacetyl-*L*-tyrosine (SHIMOMURA and COHEN), 1824.

C₂₀ Group.

$C_{20}H_{10}O_4$ Dinaphtha-1:7:1':7'-diquinone (MORGAN and VINING), 1707.

$C_{20}H_{12}N_2$ Aminophenanthraphenazines (WATSON and DUTT), 1215.

$C_{20}H_{12}O_4$ Phenolphthalein, preparation of (WARD), 850.

1:7:1':7'-Tetrahydroxydinaphthyl (MORGAN and VINING), 1712.

$C_{20}H_{12}N_4$ Diaminophenanthraphenazines (WATSON and DUTT), 1215.

$C_{20}H_{12}N_6$ 2:7:11-Triaminophenanthraphenazine, and its hydrochloride (WATSON and DUTT), 1217.

$C_{20}H_{12}O$ Triphenylvinyl alcohol, constitution of (MCKENZIE and BOYLE), 1131.

$C_{20}H_{12}N_4$ 2:7-Diaminodihydrophenanthraphenazine, and its hydrochloride (WATSON and DUTT), 1216.

$C_{20}H_{12}N$ 9-Phenylamino-9:10-dihydroanthracene (BARNETT and COOK), 909.

$C_{20}H_{16}O_6$ *m*-Opianic anhydride (FARHER and PERKIN), 1742.

$C_{20}H_{24}O_6$ ω-Hydroxy-3:4:2':4':6'-pentamethoxy-α-diphenylpropan-β-one (NIERENSTEIN), 166.

$C_{20}H_{14}N_4$ Base, from formaldehyde and 4:6-diamino-*m*-xylene (PEARMAN), 730.

$C_{19}H_{21}O_{11}$ Heptamethyl methylcellobioside (HAWORTH and HIBBY), 149.

20 III

$C_{20}H_{10}Cl_2S_2$ Substance, from α-chloronaphthalene and sulphur chloride (RAT), 1964.

$C_{20}H_{12}O_4N_2$ Dinaphtha-1:7:1':7'-diquinonedioxime (MORGAN and VINING), 1711.

$C_{20}H_{14}O_4N_2$ 2:7-Dihydroxydihydrophenanthraphenazine (WATSON and DUTT), 1217.

$C_{20}H_{14}ClBi$ Di-α-naphthylchlorobismuthine (CHALLENGER and ALLIBONE), 918.

$C_{20}H_{16}O_2N_2$ 9-Nitrophenylamino-9:10-dihydroanthracenes (BARNETT and COOK), 909.

$C_{20}H_{18}O_2N_2$ *n*-Butyrylphenoneazo-β-naphthols (MORGAN and HICKINBOTTOM), 1884.

$C_{20}H_{14}ON_2$ *n*-Butyrylphenone-3-azo-β-naphthylamine (MORGAN and HICKINBOTTOM), 1884.

$C_{20}H_{18}O_2N_2$ 6-Acetylamino-*m*-xylene-4-azo-β-naphthol (PEARMAN), 718.

$C_{20}H_{22}BrAs$ Phenyl-α-naphthylmethylallylarsonium bromide (BURNER and TURNER), 434.

$C_{20}H_{21}O_2N$ 4'-Dimethylamino-2-methoxydistyryl ketone, and its solid compounds (HEILBRON and BUCK), 1509.

$C_{20}H_{21}O_4N_2$ 2:6-Dimethoxy-3:7-diethoxyanthraquinonedimide (KUEHLER), 1482.

$C_{17}H_{15}ON_2$ 4-Amino-1-naphthylaminocamphor, and its hydrochloride (FORSTER and SAVILLE), 797.

$C_{10}H_{14}O_2N_2$ Quinine, hexabromostearate of (COFFEY), 1309.

$C_{10}H_{14}O_2N_2$ Hydroxylamino-derivative of 4'-dimethylamino-2-methoxy-distyryl ketoxime (HEILBRON and BUCK), 1518.

20 IV

$C_{12}H_{10}O_2N_2S$ Naphthalene- α - and - β -sulphonyl-1:4-naphthylenediamine (MORGAN and GRIST), 605.

$C_{12}H_{11}ON_2I$ Cinnamoylaminoquinoline methiodides (HAMER), 1437.

C_{21} Group.

$C_{21}H_{16}O_4$ Resorcinolcoumarin (KRISHNA), 1424.

$C_{21}H_{16}O_4$ Ethyl benzophenone-2:4:2':4'-tetracarboxylate ketodilactone (MILLS and NODDER), 2101.

$C_{21}H_{18}O_4$ Diacetyl derivative of phenolcitraconein (KRISHNA and POPE), 290.

$C_{21}H_{18}N$ 9-Phenylmethylamino-9:10-dihydroanthracene (BARNETT and COOK), 912.

9-Tolylamino-9:10-dihydroanthracenes (BARNETT and COOK), 910.

$C_{21}H_{20}O_5$ Phenolcoumarin, and its salts (KRISHNA), 1420.

$C_{21}H_{20}BrI$ Tri-*m*-tolylbismuthine (CHALLENGER and ALLPRESS), 920.

$C_{21}H_{20}O_4$ Phenolcitraconein diethyl ether (KRISHNA and POPE), 291.

$C_{21}H_{20}O_4$ Methylenebiscyclopentanespiro[5.5]undecane-3:5-dione (NORRIS and THORPE), 1208.

21 III

$H_{12}O_4Br_4$ Tetrabromophenolcoumarin (KRISHNA), 1421.

$H_{12}O_4Br_4$ Tetrahromoresorcinolcoumarin (KRISHNA), 1425.

$H_{12}N_2Cl$ 5-Chloro-2:3-diphenyl-6-methylquinoxaline (MORGAN and GLOVER), 1706.

6(7)-Chloro-2:3-diphenyl-7(6)-methylquinoxaline (MORGAN and CHALLENGER), 1539.

$H_{12}O_4Br_2$ Phenoldibromocoumarin (KRISHNA), 1424.

$H_{12}O_2N$ 9-*o*-Carboxyphenylamino-9:10-dihydroanthracene (BARNETT and COOK), 910.

$H_{12}O_2N$ 8-Dimethylamino-3-hydroxy-9-phenylxanthen (KRISHNA and POPE), 288.

$H_{12}N_2I$ 1:1'-Dimethylisocyanine iodide (HAMER), 1439.

$H_{20}O_4Cl$ Ethyl di-*n*-chlorobenzylmalonate (KENNER and WITNAM), 1460.

$H_{20}N_2I$ Amino-1:1'-dimethylisocyanine iodides (HAMER), 1443.

$H_{21}O_2N$ Acetyl derivative of 4'-dimethylamino-2-hydroxydistyryl ketone (HEILBRON and BUCK), 1509.

$H_{12}O_2N$ Strychnine, hexabromostearate of (COFFEY), 1309.

$H_{12}ON$ 8-Naphthylaminomethylene-epicamphor (FERKIN and TILLEY), 1100.

H_2ON_2 *pp'*-Tetramethyldiaminodistyryl ketone (HEILBRON and BUCK), 1514.

$H_2O_2N_2$ Semicarbazone of 4'-dimethylamino-2-methoxydistyryl ketone (HEILBRON and BUCK), 1519.

H_2ON 2-Benzoylamino-1:4-di-*n*-butylbenzene (MORGAN and HICKINBOTTOM), 1893.

$C_{21}O_2N_2$ Semicarbazide derivative of 4'-dimethylamino-2-hydroxy-distyryl ketone semicarbazone (HEILBRON and BUCK), 1519.

C₂₂ Group.

C₂₂H₁₀O₄ 1:2-Phthaloylanthraquinone (FAIRBOURNE), 1580.

C₂₂H₂₄Si₂ *dl*-Diphenyldiethyldipropylsilicoethane (KIPPINC), 648.

22 III

C₂₂H₁₅ON₃ 1-Methoxy-2-methylphenanthraphenazine (SIMONSEN and RAU), 1313.

C₂₂H₁₉O₂N β -Benzoylamino- β -phenylpropiophenone (McKENZIE and BARROW), 73.

C₂₂H₂₁ON 6-Dimethylamino-3-hydroxy-9-phenyl-2-methylxanthen (KRISHNA and POPE), 288.

C₂₂H₂₁O₂N 4-Dimethylamino-2-benzoyloxybenzhydrol (KRISHNA and POPE), 288.

C₂₂H₂₂O₂N₂ Butyro-2:4-dimethylphenone-5-azo- β -naphthol (MORGAN and HICKINBOTTOM), 1890.

C₂₂H₂₄O₄S₂ 1:1'-Dicyclohexanespiro-3:5:3':5'-tetra keto-4:4'-bisdithiodicyclohexylene-2:2':6:6'-bisdisulphide (NAIK), 1240.

C₂₂H₂₃O₃N₃ *p*-Nitrobenzeneazophenylaminocamphor (FORSTER and SAVILLE), 796.

C₂₂H₁₆O₄N₂ Mitraversine, and its hydrochloride (FIELD), 891.

C₂₂H₂₁O₅N Mitragnyne, and its salts (FIELD), 888.

22 IV

C₂₂H₁₅O₂N₂Cl₂ Ethyl *aa*-bis-3-chloro-2-cyanobenzylacetoacetate (KESNER and WYTHAM), 1459.

C₂₂H₂₄O₄N₂S₂ Di-*p*-toluenesulphonyl-4:6-diamino-*m*-xylene (PEARMAN), 719.

C₂₂H₂₃O₄N₂S *p*-Sulphobenzeneazophenylaminocamphor (FORSTER and SAVILLE), 796.

C₂₂H₁₆O₄N₂S₂ Methylmalonomono-*o*-toluidide disulphide (NAIK), 1232.

C₂₃ Group.

C₂₃H₃₂O₄ Methylenebis(*cyclohexanespirocyclohexane*-3:5-dione (NORRIS and THORPE), 1206.

23 III

C₂₃H₁₂O₆S₂ Methylene bis-(1)thionaphtha-4-oxy coumarin (SMILES and McCLELLAND), 1316.

C₂₃H₁₇O₂N β -Phthalimino- β -phenylpropiophenone (McKENZIE and BARROW), 75.

C₂₃H₁₇O₂N₂ β -Phthalimino- β -phenylpropionanilide (McKENZIE and BARROW), 74.

C₂₃H₁₉O₄N β -Benzoyl- α -phenylethylphthalamic acid (McKENZIE and BARROW), 75.

C₂₃H₂₂O₂N₂ Benzylidenebisphenylacetamide (GUPTA), 300.

C₂₃H₂₄O₃N₂ Benzoyl derivative of phenylcamphorimide (FORSTER and SAVILLE), 792.

C₂₃H₂₂O₂N₂ *p*-Benzoylamino-phenylaminocamphor (FORSTER and SAVILLE), 795.

23 IV

C₂₃H₁₇O₁₃N₅S Hexanitro-derivative of oxythiomesoxo- α -naphthylamide (NAIK), 1236.

C₂₃H₁₂O₁₀N₆S₂ Tetranitrodithiomesoxonaphthylamides (NAIK), 1238.

C₂₃H₁₅O₂N₂S₂ Dithiomesoxonaphthylamides (NAIK), 1236.

C₂₃H₂₂ON₂I Acetyl-amino-1:1'-dimethylisocyanine iodides (HARVEY), 1441.

C₂₄ Group.

- $C_{24}H_{16}N_2$ Dicarbazyls, isomeric (PERKIN and TUCKER), 221.
 $C_{24}H_{16}N$ 9- β -Naphthylamino-9:10-dihydroanthracene (BARNETT and COOK), 911.
 $C_{24}H_{20}O_4$ Phenolcoumarcin trimethyl ether (KRISHNA), 1423.
 $C_{24}H_{22}Si_2$ *dl*-Dibenzyl-diethyl-dipropylsilicoethane (KIPPING), 649.

24 III

- $C_{24}H_{20}N_2Br_2$ 9:10-Dihydroanthraquinylidipyridinium dibromide (BARNETT and COOK), 904.
 $C_{24}H_{20}N_2Br_4$ 9:10-Dihydroanthraquinylidipyridinium perbromide (BARNETT and COOK), 905.
 $C_{24}H_{22}O_2N_2$ 9:10-Dihydroanthraquinylidipyridinium dihydroxide, salts of (BARNETT and COOK), 906.
 $C_{24}H_{24}BrAs$ Phenyl- α -naphthylbenzylmethylarsonium bromide (BURROWS and TURNER), 435.
 $C_{24}H_{24}IAS$ Phenyl- α -naphthylbenzylmethylarsonium iodide (BURROWS and TURNER), 436.
 $C_{24}H_{24}OAs$ Phenyl- α -naphthylbenzylmethylarsonium hydroxide, salts of (BURROWS and TURNER), 435.
 $C_{24}H_{24}O_2N_2$ Phenylethylidenebisphenylacetamide (GUTTA), 302.
 $C_{24}H_{24}O_2N_2$ Anisylidenebisphenylacetamide (GUTTA), 301.

24 IV

- $C_{24}H_{20}O_2N_2S$ Diamino-15-hydroxyphenanthranaphthazine-13-sulphonic acids (WATSON and DUTT), 1218.
 $C_{24}H_{17}ON_2S$ 1-Phenyl-5-methylbenzothiazole-4-azo- β -naphthol (MORGAN and WEBSTER), 1073.
 $C_{24}H_{20}O_4S_2Si_2$ Dibenzyl-diethyl-dipropylsilicoethanedisulphonic acid, *l*-menthylamine salt (KIPPING), 652.

C₂₅ Group.

- $C_{25}H_{22}O_4$ Diacetyl derivative of phenolcoumarcin (KRISHNA), 1423.

25 III

- $C_{25}H_{20}ON$ 8-Dimethylamino-11-phenyl- β -naphthazarin (KRISHNA and POPE), 238.
 $C_{25}H_{22}O_4As$ Homopiperonylphenyl- α -naphthylmethylarsonium hydroxide, salts of (BURROWS and TURNER), 434.
 $C_{25}H_{24}O_2N_2$ Cinnamylidenebisphenylacetamide (GUTTA), 301.
 $C_{25}H_{24}ON_2$ 4'-Dimethylamino-2-hydroxydistyryl ketone phenylhydrazones (HEILBRON and BUCK), 1519.
 $C_{25}H_{22}O_4N_2$ 4:6:3':4'-Tetramethoxy-3-phenylchroman-2-one phenylhydrazones (NITZENSTEIN), 167.

25 IV

- $C_{25}H_{20}OBrAs$ Phenacylphenyl- α -naphthylmethylarsonium bromide (BURROWS and TURNER), 434.
 $C_{25}H_{22}O_2BrAs$ Homopiperonylphenyl- α -naphthylmethylarsonium bromide (BURROWS and TURNER), 434.

C₂₆ Group.

- $C_{26}H_{18}S_2$ Dibenzylthianthron (RÄY), 1965.
 $C_{26}H_{22}N$ 9-Diphenylamino-9:10-dihydroanthracene (BARNETT and COOK), 912.
 $C_{26}H_{21}N_2$ 9-*p*-Benzeneazophenylamino-9:10-dihydroanthracene (BARNETT and COOK), 911.

26 III

$C_{26}H_{16}O_6N_4$ Dianilide of γ -6:6'-dinitrodiphenic acid (KENNER and STUBBINGS), 599.

$C_{24}H_{10}N_4S_4$ 3:6-Dithio-1:2:4:5-tetraphenylhexahydro-1:2:4:5-tetrazine (NAIK), 1169.

$C_{24}H_{21}ON_3$ 4'-Dimethylamino-2-methoxydistyryl ketone phenylhydrazone, and its pyridine additive compound (HEILBRON and BUCK), 1520.

$C_{24}H_{24}O_2N_4$ Camphorylamino-phenylimino-camphor (FORSTER and SAVILLE), 795.

26 IV

$C_{24}H_{20}O_2N_2S_2$ Trisnaphthobisbenzanilide (NAIK), 1169.

$C_{24}H_{22}O_4N_4S_2$ Benzene-1:3-disulphonylbis-1:4-naphthylenediamide (MORGAN and GRIST), 606.

$C_{24}H_{22}O_4N_4S_4$ 2:7-Diaminophenanthraquinonediphenylhydrazone-*pp'*-di-sulphonic acid (WATSON and DUTT), 1221.

$C_{26}H_{27}O_4N_4S$ *p*-Sulphobenzeneazophenylaminocamphor (FORSTER and SAVILLE), 797.

 C_{27} Group.

$C_{27}H_{13}O_4Cl_4$ Lactone of 7:8-dibenzoyloxy-2:4-bis-trichloromethyl-6:8-trichloro- α -hydroxyethyl-1:3-benzodioxine-5-carboxylic acid (ALIQUA-CHANDANI and MELDRUM), 207.

 C_{28} Group.

$C_{28}H_{22}O_8$ 1:7:1':7'-Tetra-acetoxydinaphthyl (MORGAN and VINING), 1718.

28 III

$C_{26}H_{23}O_2N$ 6-Dimethylamino-3-benzoyloxy-9-phenylxanthen (KRISHNA and POPE), 288.

$C_{24}H_{23}N_4Cl$ 2:7-Diamino-11:4'-dimethylflavinduline chloride (WATSON and DUTT), 1219.

$C_{28}H_{24}O_4N_4$ Tetra-acetyl derivative of 2:7-diaminodihydrophenanthrene-phenazine (WATSON and DUTT), 1217.

28 IV

$C_{28}H_{19}O_4N_4Cl$ 2:7-Dinitro-11:4'-dimethylflavinduline chloride (WATSON and DUTT), 1218.

 C_{30} Group.

$C_{30}H_{26}O_2N_2$ Camphoryl-1-aminonaphthyl-4-imino-camphor (FORSTER and SAVILLE), 798.

30 IV

$C_{20}H_{14}O_4N_4S_4$ Naphthalenedisulphonylbis-1:4-naphthalenediamines (MORGAN and GRIST), 606.

$C_{30}H_{26}ON_4I$ Cinnamoylamino-1:1'-dimethylisocyanine iodides (HAWES), 1440.

 C_{31} Group.

$C_{31}H_{21}O_4$ Dibenzoyl derivative of phenoleitraconein (KRISHNA and POPE), 290.

 C_{32} Group.

$C_{24}H_{18}O_2N_2$ *pp'*-Bisiminocamphordiphenylamine (B. K. and M. SINGH and LAL), 1975.

$C_{28}H_{26}O_2N_2$ *pp'*-Diphenylenebisaminocamphor (B. K. and M. SINGH and LAL), 1974.

32 IV

$C_{22}H_{20}O_4N_2S_2$ Methylmalonanilide disulphide (NAIK), 381.

C₃₄ Group.

$C_{34}H_{44}O_2$ Substance, from magnesium phenyl bromide and diphenylchloroacetyl chloride (McKENZIE and BOYLE), 1138.

34 III

$C_{34}H_{40}O_2N_2$ *oo'*-Ditolylenebisiminocamphor (B. K. and M. SINGH and LAL), 1973.

$C_{34}H_{40}O_2N_3$ *oo'*-Dimethoxydiphenylenebisiminocamphor (B. K. and M. SINGH and LAL), 1974.

34 IV

$C_{34}H_{22}O_{10}N_6S_2$ Phenanthraquinonebis(2'-azo-7'-amino-1'-hydroxynaphthalene-3'-sulphonic acids (WATSON and DUTT), 1219.

$C_{34}H_{24}O_4N_4S_2$ Malondimethylanilide disulphide (NAIK), 384.

C₃₆ Group.

$C_{36}H_{24}O_{10}N_6S_2$ Dodecanitro-derivative of methylmalono-*p*-toluidide disulphide (NAIK), 1238.

$C_{36}H_{24}O_4N_4S_2$ Methylmalonotolnide disulphides (NAIK), 1238.

C₄₀ Group.

$C_{40}H_{27}O_4N_5S_2$ 11-Aminophenanthraphenazine-2:7-bis(2'-azo-7'-amino-1'-hydroxynaphthalene-3'-sulphonic acid (WATSON and DUTT), 1220.

$C_{40}H_{28}O_4N_5S_2$ Dihydrophenanthraphenazine-2:7-bis(2'-azonaphthionic acid (WATSON and DUTT), 1220.

C₄₂ Group.

$C_{42}H_{30}O_7$ Tribenzoyl derivative of phenolcoumarin (KRISHNA), 1423.

C₄₄ Group.

$C_{44}H_{26}O_4N_6$ Dinaphtha-1:7:1':7'-diquinonetetra-2:4-dinitrophenylhydrazone (MORGAN and VINING), 1712.

$C_{44}H_{40}O_2N_4$ *pp*-Diphenylenebisazophenylaminocamphor (FORSTER and SAVILLE), 797.

C₄₈ Group.

$2_{48}H_{16}OSi_4$ Octaphenylsilicotetrasilane (KIPPING and SANDS), 840.

$2_{48}H_{16}O_2Si_4$ Octaphenylsilicotetrasilane oxide, rhomboidal (KIPPING and SANDS), 844.

$2_{48}H_{16}I_2Si_4$ Octaphenyldi-iodosilicotetrasilane (KIPPING and SANDS), 830.

ERRATA.

VOL. 115 (TRANS., 1919).

Page Line
1386 6* for "latter" read "heat of formation of methane."

VOL. 117 (TRANS., 1920).

Page Table V in third column for $\left\{ \begin{array}{l} "5.74" \\ 6.62 \\ 5.15 \end{array} \right\}$ read $\left\{ \begin{array}{l} "57.4" \\ 66.2 \\ 51.5 \end{array} \right\}$.

Page Line
83 1* for " $C_7H_{10}O_2N_2S$ " read " $C_5H_{10}O_4N_2S$."
345 21* " "oxide, a little water" read "oxide and a little water."
348 6* " "citronellal" read "citronellol."
350 2 " "paeonal" read "paeonol."
475 13 " "s" read "8."
475 14 " "9 η s" read "9 η S."
475 2* }
476 1 } " "0.15 cm." read "0.1588 cm."
479 15 }
478 10 " "6.69" read "6.69 \times 19.4."
646 26 " "Mr. E. A. Perren" read "Messrs. R. Craven and E. A. Perren."
646 27 " "his" read "their."
648 17 " "N/10-KMnO₄" read "N/10-KMnO₄ equivalent to."
648 20 " "0.03994" read "0.03004."
661 12 " "sodium sulphate" read "sodium hydrogen sulphate."
832 6 " "lead acetate" read "sodium plumbite."

905 " formule V. and VI. read $\begin{array}{c} \text{MeO} \diagup \text{CO}_2\text{H} \\ | \\ \text{OMe} \end{array}$ and $\begin{array}{c} \text{MeO} \diagup \text{CO}_2\text{H} \\ | \\ \text{HO} \end{array}$

respectively.

1024 6* " "positive" read "negative."
1024 16* the formula should be " $3K_2[Fe(CN)_6] \cdot K_2[Fe(CN)_5H_2O]$ "
1218 19 col. 2 for "167.90" read "157.90."
1219 diagram insert "c" values at end of horizontal lines, namely, from below upwards "100, 90, 80, 70, 60."
1270 7* for " $C_{12}H_{12}O_3N_4$ " read " $C_{18}H_{12}O_3N_4$."
1276 22 " "N=17.37. $C_{13}H_{10}O_6N_4$ requires N=17.73" read "N=16.35. $C_{13}H_{10}O_6N_5$ requires N=16.47."
1560 4* " "28" read "20."
1560 13* " "20" read "28."
1560 13* " "28" read "20."

VOL. 119 (TRANS., 1921).

29 9* }
30 3* } " "Shenstone" read "Stenhouse."
50 14 " "SrCS₂·8H₂O" read "SrCS₄·8H₂O."
63 4 " "salts in millimols." read "salts and soaps in millimols. per cent."
63 }
64 } in tables I, II, V, VI, and VIII after "millimols." insert "per cent."
65 }
66 }
68 15 for "renewal" read "reversal."

* From bottom.

ERRATA (*continued*).

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Page	Line	
307		for "denominator of equation" read " $4(Vr)^2 - (V^2 + r^2)$."
389	8*	"cis-Citraconatodihylenediamine" read "cis-Citraconatodihylenediaminecobaltic."
1390	}	In equations (6), (7), (8) and in tables II, III, IV for " \log_e " read " \log_{10} ."
1391		
1392		
1590	11	for "α-dicarboxy-α-methylglutaconate" read "α-dicarboxy-α-benzylglutaconate."
735	14	"(C ₁₁ H ₁₀ O ₆) ₂ Ca" read "(C ₁₁ H ₈ O ₇) ₂ Ca."

* From bottom.

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Enzymes. See also:—

- Amygdalase.
 Amygdalinase.
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 Arginase.
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 Diastase.
 Emulsin.
 Erepsin.
 Glyoxalase.
 Hemicellulase.
 Hydroxynitrilase.
 Invertase.
 Lipase.
 Mucosidase.
 α -Methyl-d-mannosidase.
 Pepsin.
 Peroxydase.
 Phytase.
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 Rennin.
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- 3-Methoxy-4-ethoxy- α -azetonitrile, and 6-nitro- (KEFFLER), T., 1481.
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- 3-Methoxy-5-ethylhexahydrophenanthrylene oxide (MANNICH and LOWENHEIM), A., i, 125.
- 5-Methoxy-1-ethylhydantoin-5-carboxylic acid, methyl ester (BILTZ, MARWITZKY, and HEYN), A., i, 608.
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- 11-Methoxy-5-keto-4:5-dihydroindole-diazine (14) (KERNACK, PERKIN, and ROBINSON), T., 1633.
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- 4'-Methoxy-2-methyldepsedol, 5-hydroxy- (KARRER, RÜDLINGER, GLATFELDER, and WAITZ), A., i, 800.
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- 4' Methoxy-6-methylflavone, and 3-bromo- (v. AUWERS and ANSCHÜTZ), A., i, 682.
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- 5 Methoxy-3-methylhydantoin, and its barium salt (BILTZ and KOBEL), A., i, 816.
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- 2-Methylamino-5-methoxyphenyl-p-tolylsulphone, and its derivatives (HALBERKANN), A., i, 661.
- 7-Methylamino-2-methylphenazine, 3-amino-, methochloride, preparation of (COHEN and CRATIER), T., 2065.
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- 3-Methylbutyric acid, γ -cyano-, ethyl ester (INGOLD), T., 339.
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- 9-Phenylamino-9:10-dihydroanthracene, and *o*-, *m*-, and *p*-nitro- (BARNETT and COOK), T., 909.
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- 1-Phenyl-3-*p*-anisyl-5-methylpyrazoline (v. AUWERS and LÄMMERHIRT), A., i, 464.
- Phenyl-4-arsenic disulphide, amino-, thiolacetyl derivative (BINZ and HOLZAPFEL), A., i, 81.
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- Phenylarsinophenyl-*o*-arsinic acid (KALE), A., i, 376.
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- δ -Phenylbutyl methyl ketone semicarbazone (BORSCHKE and ROHN), A., i, 862.
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***o*-Toluenesulphonyl chloride**, 6-chloro-, and 6-chloro-3- and -4-nitro-, and their salts and derivatives (DAVIES), T., 878.
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***p*-Toluenesulphonyl-*p*-ethoxybenzenesulphonic acid**, ethyl ester, amide and nitrile (TRÖGER and BERNDT), A., i, 745.
***p*-Toluenesulphonylmethoxybenzenesulphonic acid**, ethyl esters, amides and nitriles (TRÖGER and BERNDT), A., i, 745.
***p*-Toluenesulphonylmethylaniline-*p*-sulphonic acid**, sodium salt (HALBERKANN), A., i, 780.
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- p*-Toluenesulphonylmethyl-*p*-chloro-anilide (HALBERKANN), A., i, 781.
p-Toluenesulphooylmethyl- α -naphthylamide (KÖNIG and KÖHLER), A., i, 459.
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N-*p*-Toluenesulphonyl- α -naphthaquinonephenoxazine (ULLMANN and ETTISCH), A., i, 270.
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p-Toluenesulphonyltoluenesulphonic acids, ethyl esters, amides and nitriles (TRÖGER and BERNDT), A., i, 745.
p-Toluenesulphonyl-*ns*-*m*-xyleneacetio acid, ethyl ester, amide and nitrile (TRÖGER and BERNDT), A., i, 745.
o-Tolnic acid, 3-chloro-, and its derivatives (KENNER and WITHAM), T., 1458.
m-Tolnic acid, 5-amino-6-hydroxy-, methyl ester, 5-nitro-6-hydroxy-, and its methyl ester (PFISTER), A., i, 345.
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p-Tolnic acid, 8-naphthyl ester (ÖSTLING), A., i, 344.
p-Tolnic acid, 3:5-di-bromo-, methyl ester (BENING), A., i, 520.
m-Toluidine, 6-chloro-2:4-di-bromo-, (DAVIES), T., 866.
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p-Toluidine, solubility of, in caoutchouc (BRUNI), A., i, 352.
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p-Toluidine, 2-chloro-3:5-di-nitro- (DAVIES), T., 868.
m-Toluidinoacetophenone, *p*-2':6'-di-nitro- (GIUA and GIUA), A., i, 859.
m-Toluidinobenzoic acid, di-nitro-derivatives (GIUA and GIUA), A., i, 859.

Toluene compounds, Me = 1.

- p*-Toluidine-4:5-dimethoxyphthalonic acid, *p*-toluidine salt (FARGHER and PERKIN), T., 1739.
p-Toluidinomethylceramidone, hydrate (BADISCHE ANILIN- & SODA-FABRIK), A., i, 361.
p-Toluidino-*m*-opianic acid (FARGHER and PERKIN), T., 1739.
8-*p*-Toluidino- β -phenylethane, α -bromo- α -nitro-, and its derivatives (WOLLER), A., i, 411.
m-Toluidine-4-sulphonic acid, 6-chloro- (DAVIES), T., 865.
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p-Tolnonyl chloride, 3:5-di-bromo- (BRUNING), A., i, 520.
Tolnonylbenzoic acid, tetrachloro- (ECKERT and ENDLER), A., i, 871.
p-Tolnoylformic acid, methylamide (ADAMS, BRAMLET, and TENDICK), A., i, 6.
p-Tolnonylhydrazide, 3:5-di-bromo- (BRUNING), A., i, 520.
c-2:5-Tolnquinone-5'-bromo-3'-hydroxy-*p*-tolylimide, 3-bromo-4-amino- (v. AUWERS, BORSCHKE, and WELLER), A., i, 573.
m-2:5-Tolnquinone-3'-hydroxy-*p*-tolylimide, 4-amino-, and its derivative (v. AUWERS, BORSCHKE, and WELLER), A., i, 573.
m-Tolyl methyl ether, 5-bromo- (v. AUWERS, BORSCHKE, and WELLER), A., i, 572.
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9-*o*- and -*p*-Tolylamino-9:10-dihydroanthracenes (BARNETT and COOKE), T., 910.
3-*p*-Tolyl-5-anilinomethylene-2:4-thiazolodione (DAINS, IRVIN, and HARRIS), A., i, 362.
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p-Tolylazo- β -chlorophenolphthalein (CONSONNO and APOSTOLO), A., i, 346.

Toluene compounds, Me = 1.

- m*-Tolylexamide, 2:4-dinitro- (BRADY and BOWMAN), T., 898.
- 1-Tolylbenzoxazoles, 5-hydroxy- (HENRICH and OFFERMANN), A., i, 887.
- 3-*p*-Tolyl-5-benzylidene-2:4-thiazolidione (DAINS, IRVIN, and HARREL), A., i, 362.
- m*-Tolyl benzyl ketone, 4-hydroxy-, and its derivatives (v. AUWERS), A., i, 118.
- m*-Tolyl α -bromobenzyl ketone, 4-hydroxy- (v. AUWERS), A., i, 119.
- o*-Tolyl isobutyl ketone, *p*-hydroxy-, derivatives of (v. AUWERS), A., i, 466.
- o*- and *m*-Tolylcarbamides (DAINS and WERTHEIM), A., i, 61.
- p*-Tolyl δ -chlorobismuthine (CHALLENGER and ALLPRESS), T., 917.
- p*-Tolyl β -chloroethylsulphone (FROMM and KOHN), A., i, 243.
- 3:4-Tolylene-diamine, 2-chloro- (MORGAN and GLOVER), T., 1706.
- p*-Tolylfurylcampborylimethane (WOLFF), A., i, 514.
- m*-Tolylhydrazine, 6-nitro-4-cyano-, and its acetyl derivative (BORSCHKE), A., i, 480.
- Tolylhydrazines, *d*-nitro- (BRADY and BOWMAN), T., 894.
- p*-Tolyl β -hydroxyethylsulphone, and its benzoate (FROMM and KOHN), A., i, 242.
- Tolylhydroxylamines, action of, with ethyl and methyl alcohols and sulphuric acid (BAMBERGER), A., i, 718.
- m*- and *p*-Tolylidenesulcylidene-*o*-phenylenediamines (GALLAGHER), A., i, 715.
- 2-Tolylimino-3-tolyl-4-thiazolidones, and their derivatives (DAINS, IRVIN, and HARREL), A., i, 362.
- m*-Tolyl 4-methoxystyryl ketone, 4-hydroxy-, and its derivatives (v. AUWERS and ANSCHÜTZ), A., i, 682.
- 1-Tolyl-5-methylbenzoxazoles (HENRICH and MATULKA), A., i, 889.
- Tolylmethylnitrosamine, 2:4- and 4:6-*di*- and 2:4:6-*tri*-nitro- (BRADY and GIBSON), T., 98.
- Tolylmethylnitrosoamines, *di*- and *tri*-nitro- (BRADY and GIBSON), T., 103.
- 1-*o*- and *p*-Tolyl-5-methylpyrrolidones (EMMERT and MEYER), A., i, 268.
- 3-*p*-Tolyl-5- β -naphthylaminomethylene-2:4-thiazolidione (DAINS, IRVIN, and HARREL), A., i, 362.
- Tolylloxalimine-chloride (STAUDINGER, GOLDSTEIN, and SCHLENKER), A., i, 435.
- Tolylloxalyl chlorides (STOLLÉ and KNEBEL), A., i, 578.

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- Tolylloxalylanilides (STOLLÉ and KNEBEL), A., i, 578.
- Tolylloxides, metallic, and their thermal decomposition (FISCHER and EHRLHARDT), A., i, 412.
- Tolylloxides, nitro-, metallic derivatives of (D. and A. E. GODDARD), T., 2044.
- β -*m*-Tolylloxycinnamic acid, 6-chloro-, and its ethyl ester (RUHEMANN), A., i, 431.
- o*-Tolyl propenyl ketone, *p*-hydroxy-, semicarbazidesemicarbazone (v. AUWERS), A., i, 468.
- 1-Tolyl-4-pyridones, and their salts (SMIRNOV), A., i, 595.
- o*-Tolyl β -semicarbazidoisobutyl ketone, *p*-hydroxy-, and its oxime (v. AUWERS), A., i, 466.
- 1-*o*-Tolyltetrazole-5-sulphonic acid, and its potassium salt (OLIVERI-MANDALÀ), A., i, 900.
- 1-*o*-Tolyltetrazole-5-thiol (OLIVERI-MANDALÀ), A., i, 900.
- o*-Tolylthiocarbamic acid, azide of (OLIVERI-MANDALÀ), A., i, 900.
- o*-Tolylthiocarbamides (OLIVERI-MANDALÀ), A., i, 900.
- a-m*-Tolylthiolpropionic acid, 5-bromo- (v. AUWERS and THIES), A., i, 121.
- a-p*-Tolylthiolpropionic acid (v. AUWERS and THIES), A., i, 121.
- Topochemical reactions (KOLLSCHÜTTER and NAGEL), A., ii, 258.
- Toxicity and osmotic pressure of soluble salts in soils (GREAVES and LUND), A., i, 758.
- Tregacanth ethyl ether (LILIENTHAL), A., i, 650.
- Transmutation of elements, attempts at (BRINER), A., ii, 635.
- Transport numbers, apparatus for determination of, of colloids (STREIGMANN), A., ii, 13.
- Triacetoxymercuriphenolphthalein (WHITE), A., i, 71.
- Triacetylcholic acid (WIELAND and BOESCH), A., i, 179.
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 ii. 167 14 for "hydrogen" read "hydrogen sulphide."

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ii. 908 5* for " $3\text{H}_2\text{PO}_4$ " read " $3\text{H}_3\text{PO}_4$ "
 ii. 737 5 } "Ethyl Benzoate" read "Benzyl Benzoate."
 6 }
 8 }
 14 } "ethyl benzoate" read "benzyl benzoate."
 19 }
 ii. 753 20 after "GARNER" insert "FREDERICK CHALLENGER."

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i. 62 10 for "Triquinonylmethanes" read "Triquinolylmethanes."
 11 ,, "Tri-2-quinonylmethane" read "Tri-2-quinolylmethane."
 14 }
 i. 63 5 } "triquinonylmethane" read "triquinolylmethane."
 7 }
 8 } "triquinonylcarbinol" read "triquinolylcarbinol."
 i. 165 25 } "ZEIGLER" read "ZIEGLER."
 i. 258 14 } "nitrate" read "nitrite."
 i. 266 2 } "793,794" read "1,793,794."
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 10 } "Arch. Anat. Physiol." read "Viechow's Archiv."
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 i. 511 26 } "fluorenoxyalate" read "fluorenoxyglyoxylate."
 i. 516 24 } "Oxindole" read "Oxindole."
 i. 566 20* } "M. E. FOURNEAU" read "E. FOURNEAU."
 i. 702 25 } "vitamin-A" read "vitamin-B."
 i. 761 8 } "twice" read "half."
 i. 796 16* } "ethyl r-pinate" read "ethyl r-pinonate."
 i. 914 8 } "F. R. JONES" read "F. R. JONES and W. B. TISDALE."
 ii. 6 13 } "N-ethyl" read "NEt."
 ii. 176 10* } "JOSEPH" read "JOSEF."
 ii. 191 9 } "boron" read "baron."
 ii. 224 12* } "Zeitsch. anal. Chem." read "Zeitsch. angew. Chem."
 ii. 285 14* } "Thompson" read "Thomson."
 ii. 285 9* } "Thompson" read "Thomson."
 ii. 344 13* } "KOLTHOFF" read "KOLTHOFF."
 ii. 573 3 } "BARBOPOVSKÝ" read "BARBOPOVSKÝ."
 4 } "HANÁK" read "HANÁKOVA."
 ii. 621 21* } "103" read "100."
 ii. 811, col. ii, entries under "Ruggli" should be under "Ruggli" on ii, 812.

* From bottom.

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1921.

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INSTRUCTIONS TO ABSTRACTORS,

GIVING THE

NOMENCLATURE AND SYSTEM OF NOTATION

ADOPTED IN THE ABSTRACTS.

THE object of the abstracts of chemical papers published elsewhere than in the Transactions of the Society is to furnish the Fellows with a concise account of the progress of chemical science from month to month. It must be understood that as the abstracts are prepared for the information of the Fellows in general, they cannot possibly be made so full or so detailed as to obviate on the part of those who are engaged on special investigations the necessity of consulting the original memoirs.

1. Titles of papers must be given literally.
2. Before beginning to write the abstract, the whole of the original paper must be read, in order that a judgment may be formed of its importance and of the scale on which the abstract should be made.
3. In the case of papers dealing with subjects not strictly chemical, the abstract should refer only to matters of chemical interest in the original.
4. The abstract should consist mainly of the expression, in the abstractor's own words, of the substance of the paper.
5. The abstract should be made as short as is consistent with a clear and accurate statement of the author's results.
6. A concise statement showing the general trend of the investigation should be given at the commencement of those abstracts where the nature of the original permits of it.
7. If an abstract of a paper on the same subject, either by the author of the paper abstracted, or by some other author, has already appeared, note should, as a rule, be made of this fact.
8. Matter which has appeared once in the *Abstracts* is not to be abstracted again, a reference being given to the volume in which the abstract may be found.
9. As a rule, details of methods of preparation or analysis, or generally speaking of work, are to be omitted, unless such details are essential to the understanding of the results, or have some independent value. Further, comparatively unimportant compounds, such as the inorganic salts of organic bases or acids, should be mentioned quite shortly. On the other hand, data such as melting and boiling points, sp. gr., specific rotation, &c., must be given in every case unless recorded in earlier papers.

Nomenclature.

10. Employ names such as *sodium chloride*, *potassium sulphate* for inorganic compounds, and use the terminals *ous* and *ic* only in distinguishing compounds of different orders derived from the same elementary radicle; such, for instance, as mercurous and mercuric chlorides, sulphurous and sulphuric acids.

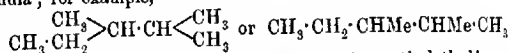
11. Term compounds of metallic radicles with the OH-group *hydroxides* and not hydrates, the name hydrate being reserved for compounds supposed to contain water of combination or crystallisation.

12. Term salts containing an amount of metal equivalent to the displaceable hydrogen of the acid, *normal* and not neutral salts, and assign names such as sodium hydrogen sulphate, disodium hydrogen phosphate, &c., to the acid salts. Basic salts as a rule are best designated merely by their *formulae*.

13. Names in common use for oxides should be employed, for example: NO, nitric oxide; CO₂, carbon dioxide; P₄O₁₀, phosphoric oxide; As₄O₆, arsenious oxide; Fe₂O₃, ferric oxide.

14. In open chain compounds, Greek letters must be used to indicate the position of a substituent, the letter *a* being assigned to the first carbon atom in the formula, except in the case of CN and CO₂H, for example, CH₃·CH₂·CH₂·CH₂I *a*-iodobutane, CH₃·CH₂·CH₂·CN *a*-cyanopropane.

15. Isomeric open chain compounds are most conveniently represented as substitution derivatives of the longest carbon chain in the formula; for example,



should be termed *βγ*-dimethylpentane not methylethylisopropyl-

methane, and $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{CO}_2\text{H})\text{CH}_3$ or CH₃·CHMe·CHMe·CO₂H should be termed *αβ*-dimethylbutyric acid, not *αββ*-trimethylpropionic, or *α*-methylisovaleric, or methylisopropylacetic acid.

16. Use names such as methane, ethane, &c., for the normal paraffins or hydrocarbons of the C_nH_{2n+2} series of the form CH₃[CH₂]_n·CH₃, &c. Term the hydrocarbons C₂H₄ and C₂H₂ ethylene and acetylene respectively (not etheos and ethine). Homologues of the ethylene series are to be indicated by the suffix *-ene*, and those of the acetylene series, wherever possible, by *-ine*. Adopt the name *allene* for the hydrocarbon CH₂:C:CH₂.

17. Distinguish all hydroxyl derivatives of hydrocarbons by names ending in *ol*. Alcohols should be spoken of as mono-, di-, tri-, or n-hydric, according to the number of OH-groups. Compounds which are not alcohols, but for which names ending in *ol* have been used, are to be represented by names ending in *ole*, if a systematic name cannot be given, thus ani-ole not anisol, indole not indol. Compounds such as MeONa, EtONa, &c., should be termed sodium methoxide, sodium ethoxide, &c.

18. The radicles indicated in the name of a compound are to be

given in the order fluoro-, chloro-, bromo-, iodo-, nitro-, nitroso-, amino-, imino-, cyano-, thiocyno-, hydroxy-, keto-.

19. Compounds analogous to the acids of the lactic series containing the OH-group should be termed *hydroxy*-derivatives, and not *oxy*-derivatives; for example, hydroxyacetic and not oxyacetic acid. Compounds containing the analogous groups OEt, OPh, OAc, etc., should in like manner be termed ethoxy-, phenoxy-, acetoxy- derivatives. Thus α -ethoxypropionic acid, $\text{OEt}\cdot\text{CHMe}\cdot\text{CO}_2\text{H}$, instead of ethyl-lactic acid; 3:4-diethoxybenzoic acid, $(\text{OEt})_2\text{C}_6\text{H}_3\cdot\text{CO}_2\text{H}$, instead of diethylprotocatechuic acid; and α -acetoxypropionic acid, $\text{OAc}\cdot\text{CHMe}\cdot\text{CO}_2\text{H}$, instead of acetyl-lactic acid. Terms such as diethylprotocatechuic acid should be understood to mean a compound formed by the displacement of hydrogen atoms in the hydrocarbon radicle of protocatechuic acid by ethyl, thus, $\text{C}_6\text{H}_4\text{Et}_2(\text{OH})_2\cdot\text{CO}_2\text{H}$, and not $\text{C}_6\text{H}_3(\text{OEt})_2\cdot\text{CO}_2\text{H}$, just as dibromoprotocatechuic acid is understood to be the name of a compound of the formula $\text{C}_6\text{HBr}_2(\text{OH})_2\cdot\text{CO}_2\text{H}$.

20. The term *ether* should be restricted to the oxides of hydrocarbon radicles and their derivatives, and the esters (so-called compound ethers or ethereal salts) should be represented by names similar to those given to metallic salts.

21. When a substituent is one of the groups NH_2 , NHR , NR_2 , NH or NR , its name should end in *ino*; for example, β -aminopropionic acid, $\text{NH}_2\cdot\text{CH}_2\cdot\text{CH}_2\cdot\text{CO}_2\text{H}$, β -anilino-acrylic acid, $\text{NHPh}\cdot\text{CH}\cdot\text{CH}\cdot\text{CO}_2\text{H}$, α -iminopropionic acid, $\text{NH}\cdot\text{CMe}\cdot\text{CO}_2\text{H}$.

22. Compounds of the radicle SO_3H should, whenever possible, be termed sulphonic acids, or failing this, sulpho-compounds; for example, benzenesulphonic acid, sulphobenzoic acid.

23. Basic substances should invariably be indicated by names ending in *ine*, as anilino instead of anilin, the termination *in* being restricted to certain neutral compounds, viz., glycerides, glucosides, bitter principles, and proteins, such as palmitin, amygdalin, albumin. The compounds of basic substances with hydrogen chloride, bromide or iodide should always receive names ending in *ide* and not *ate*, as morphine hydrochloride and not morphine hydrochlorate.

24. The Collective Index, 4th decade (1903-1912) should be adopted as the standard of reference on questions of nomenclature not provided for in the preceding sections.

Notation.

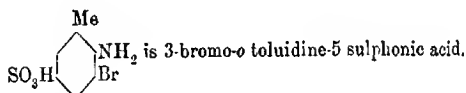
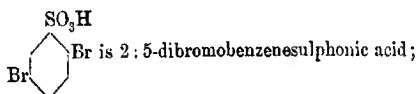
25. In empirical formulae the elements are to be given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

26. Equations should be omitted unless essential to the understanding of the results; as a rule, they should not be written on a separate line, but should "run on" with the text.

27. To economise space, it is desirable:

- (a) That *dots* should be used instead of *dashes* in connecting contiguous symbols or radicles, whenever this does not interfere with the clearness of the formula.

- (b) That formulae should be shortened by the judicious employment of the symbols Me for CH_3 , Et for C_2H_5 , Pr^a for $\text{CH}_2\text{CH}_2\text{CH}_3$, Pr^s for $\text{CH}(\text{CH}_3)_2$, Ph for C_6H_5 , Py for $\text{C}_5\text{H}_4\text{N}$, Ac for $\text{CO}\cdot\text{CH}_3$, and Bz for $\text{CO}\cdot\text{C}_6\text{H}_5$.
- (c) That formulae should be written in *one line* whenever this can be done without obscuring their meaning.
28. In representing the constitution of benzene derivatives, the relative positions of the radicles in the symbol of benzene should be indicated by numerals, instead of by means of the hexagon formula.
- (a) The abbreviations *o*-, *m*-, and *p*-, should be used in place of 1:2- or ortho-, 1:3- or meta-, and 1:4- or para.
- (b) In numbering positions in the case of substitution derivatives of phenol, aniline, benzonitrile, benzoic acid, benzenesulphonic acid, benzaldehyde, and toluene, the characteristic radicle of each of these parent substances is to be regarded as in position 1 (compare Collective Index).
- (c) Names of substitution derivatives should be given in such a way that the position of the substituent is indicated by a numeral prefixed; for example:—



29. In representing the constitution of derivatives of other "closed chain" hydrocarbons, graphic formulae should not be employed, but the system of numbering positions indicated in Richter's *Lexikon der Kohlenstoff-Verbindungen* (3rd edition, 1910, pp. 14—26) should be used, of which the following schemes may be regarded as typical:—



Furan.



Thiophen.



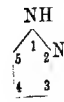
Pyrrole.



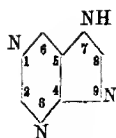
Oxazole.



Thiazole.



Pyrazole



Purine.*



Pyridine.



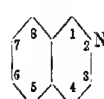
Indole.



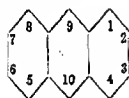
Naphthalene.



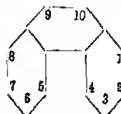
Quinoline.



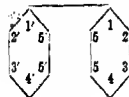
isoQuinoline.



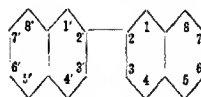
Anthracene.



Phenanthrene.



Diphenyl.

 β -Dinaphthyl.**Manuscript.**

30. In view of the difficulty of dealing with MSS. of widely varying sizes, abstracts cannot be accepted unless written on quarto paper (10 x 8 in.).

31. Not more than one abstract must appear on a sheet.

32. When an abstract exceeds a sheet in length, the sheets must be fastened together by means of gum at the top left-hand corner.

33. The name of the abstractor must be written diagonally at the top left-hand corner of the first sheet of the abstract.

Proofs.

34. Abstractors are expected to read and correct proofs carefully, and to check all formulae and figures against MSS.

35. All proofs, however small, must be returned to the Sub-Editor not later than 24 hours after receipt from the printers.

* * The Editor's decision, in all matters connected with the Abstracts, must be considered final.

* This numbering, proposed originally by E. Fischer, is adopted in the text of the *Lexikon*.

*List of Symbols Recommended by the Working Committee of the
International Commission for the Unification of Physico-chemical
Symbols (1914). [See Trans., 1921, 119, 502—512.]*

1. *Mathematical Symbols.*

	Usual symbol.	Alternative symbol.
Base of natural (Napierian) logarithms ...	e	
Diameter	d	
Radius	r	
Ratio of circumference to diameter	π	
Summation.....	Σ	
Variation	δ	
Total differential	d	
Partial differential	∂	

2. *Universal Constants.*

Acceleration due to gravity.....	g	
Mechanical equivalent of heat	J	
Avogadro's constant [number of molecules in 1 gram-molecule (mole)]	N	
Gas constant per mole	R	
Faraday's constant (number of coulombs per gram-equivalent of an ion)	F	
Charge on an electron	e	

3. *General Physics and Chemistry.*

Length	l	
Height.....	h	
Mass	m	
Time	t	
Volume	v, V	
Density (mass per unit volume)	d	
Pressure	p, P	
Concentration	c, C	
Mole fraction	x	
Critical constants: pressure, volume, tem- perature (centigrade), temperature (absolute), density	$\left\{ \begin{array}{l} p_c, v_c \\ t_c, T_c \\ d_c \end{array} \right.$	
Reduced quantities: pressure, volume, temperature, density	$\left\{ \begin{array}{l} p_r, v_r \\ t_r, T_r, d_r \end{array} \right.$	
van der Waals's constants	a, b	
Fluidity	ϕ	
Viscosity	η	
Surface tension	γ	
Diffusion coefficient	Δ	
Atomic weight	A	
Molecular weight	M	
Velocity coefficient of reaction	k	
Equilibrium constant	$K, (K_e, K_p)$	
van't Hoff coefficient	i	
Degree of dissociation (electrolytic, thermal, etc.)	-	

4. Heat and Thermodynamics.

	Usual symbol.	Alternative symbol.
Temperature (centigrade)	t	θ
Temperature (absolute)	T	
Critical temperature	t_c, T_c	
Reduced temperature	t_r, T_r	
Critical solution temperature	t_{cs}, T_{cs}	
Quantity of heat	Q	
Entropy	S	
Specific heat	c	
Specific heat at constant pressure	c_p	
Specific heat at constant volume	c_v	
Ratio of specific heats, $c_p : c_v$	γ	
Molecular heat	C	
Molecular heat at constant pressure	C_p	
Molecular heat at constant volume	C_v	
Latent heat per gram	l	
Latent heat per mole	L	
Maximum work (diminution of free energy)	A	

5. Optics.

Wave-length of light	λ	
Refractive index	n	
Specific refractive power (Gladstone and Dale)	$\sigma_D, [\sigma_D]_D^T$	
Specific refractive power (Lorentz and Lorenz)	$\sigma_L, [\sigma_L]_L^T$	
Molecular refractive power	R_D, R_L $[R_D]_D^T, [R_L]_L^T$	
Angle of optical rotation	α	
Specific rotatory power	$[\alpha]$	
Molecular rotatory power	$M[\alpha]$	
Specific magnetic rotation	$[\omega]$	
Molecular magnetic rotation	$M[\omega]$	

6. Electricity and Magnetism.

Quantity of electricity	Q	
Current intensity	I	
Resistance	R	W
Electromotive force	E	
Electrode potential, or discharge potential of an ion	E	ϵ
Electrode potential referred to the normal hydrogen or normal calomel electrode respectively, the potential of which is taken as zero	E_h, E_c	ϵ_h, ϵ_c
Normal potential, i.e., the electrode potential referred to the normal hydrogen or normal calomel electrode respectively, when the solution is molecular-normal in respect of all participating substances and ions of variable concentration	${}^0E_h, {}^0E_c$	${}^0\epsilon_h, {}^0\epsilon_c$
Dielectric constant	ϵ	
Conductivity (specific conductance)	κ	
Equivalent conductivity	Λ	
Equivalent conductivity at different dilutions—volumes in litres containing 1 gram-equivalent	$\Lambda_{10}, \Lambda_{\infty}, \Lambda_{\infty}$	

6. *Electricity and Magnetism*—(continued).

	Usual symbol.	Alternative symbol.
Equivalent conductivity of kation and of anion	Λ_k, Λ_a	
Equivalent conductivity of specified ions...	Λ_K, Λ_{Cl}	
Molecular conductivity	μ	
Velocity of kation and of anion in cm./sec. when the potential gradient is 1 volt per cm.	U_k, U_a	
Transport number of kation and of anion ...	n_k, n_a	
Magnetic permeability	μ	
Magnetic susceptibility	κ	

List of Symbols, Arranged Alphabetically.

Symbol.	Name of quantity.
A	Atomic weight; maximum work.
a	Van der Waals's constant.
b	Van der Waals's constant.
C	Concentration; molecular heat.
c	Concentration; specific heat.
C_p, C_v	Molecular heat at constant pressure, and at constant volume.
c_p, c_v	Specific heat at constant pressure, and at constant volume.
D	Alternative symbol for density.
d	Diameter; total differential; density.
d_c	Critical density.
d_r	Reduced density.
E	Electromotive force; electrode potential.
e	Base of Napierian logarithms; charge on an electron.
E_h, E_n	Electrode potential referred to the normal hydrogen or the normal calomel electrode, respectively, the potential of which is taken as zero.
${}_0E_h, {}_0E_c$	Normal potential, that is, the electrode potential referred to the normal hydrogen or the normal calomel electrode respectively, when the solution is molecular-normal in respect of all participating substances and ions of variable concentration.
F	Faraday's constant (number of coulombs per gram-equivalent of an ion).
g	Acceleration due to gravity.
h	Height.
I	Current.
i	Van't Hoff's coefficient.
J	Mechanical equivalent of heat.
K	Equilibrium constant.
K_c, K_p	Equilibrium constant, when molar concentrations and partial pressures respectively are employed.
k	Velocity coefficient of reaction.
L	Latent heat per mole.
l	Length; latent heat per gram.
M	Molecular weight.
$M_{[a]}$	Molecular rotatory power.
$M_{[\omega]}$	Molecular magnetic rotatory power.
m	Mass.
N	Avogadro's constant (Loschmidt's number) or number of molecules in 1 gram-molecule.
n	Refractive index.

List of Symbols, Arranged Alphabetically—(continued).

Symbol.	Name of quantity.
n_+, n_-	Transport number of kation and of anion.
n_r	Refractive index (alternative symbol).
P	Pressure.
p	Pressure.
p_c, p_r	Critical pressure : reduced pressure.
Q_e	Quantity of heat; quantity of electricity.
R	Gas constant per mole; electrical resistance.
R_D, R_L	Molecular refractive power, according to Gladstone and Dale, and to Lorentz and Lorenz respectively.
r	Radius.
r_D, r_L	Specific refractive power according to Gladstone and Dale, and to Lorentz and Lorenz respectively.
S	Entropy.
T	Absolute temperature.
T_c	Critical temperature (on the absolute scale).
T_r	Reduced temperature (absolute).
T_{cs}	Critical solution temperature (absolute).
t	Time; temperature (centigrade).
t_c	Critical temperature (centigrade).
t_{cs}	Critical solution temperature (centigrade).
t_r	Reduced temperature (centigrade).
U_+, U_-	Velocity of kation and of anion in cm./sec. when the potential gradient is 1 volt per cm.
V	Volume.
v	Volume.
v_c, v_r	Critical volume : reduced volume.
W	Electrical resistance (alternative symbol).
x	Mole fraction.
α	Degree of dissociation (electrolytic, thermal, etc.); angle of optical rotation.
$[\alpha]$	Specific rotatory power.
γ	Surface tension; ratio of specific heats.
Δ	Diffusion coefficient.
δ	Variation.
∂	Partial differential.
ϵ	Electrode potential (alternative symbol); dielectric constant.
ϵ_h, ϵ	Electrode potential referred to the normal hydrogen or the normal calomel electrode respectively, the potential of which is taken as zero (alternative symbols).
ϵ^h, ϵ^e	Normal potential, that is, the electrode potential referred to the normal hydrogen or the normal calomel electrode respectively, when the solution is molecular-normal in respect of all participating substances and ions of variable concentration (alternative symbols).
η	Viscosity.
θ	Temperature (centigrade), (alternative symbol).
κ	Specific conductance (conductivity); magnetic susceptibility.
Λ	Equivalent conductivity.
$\Lambda_{10}, \Lambda_{20}, \Lambda_{\infty}$	Equivalent conductivity at different dilutions (volumes in litres containing 1 gram-equivalent).
Λ_+, Λ_-	Equivalent conductivity of kation and of anion.
λ	Wave-length of light.
μ	Molecular conductivity; magnetic permeability
π	Ratio of circumference to diameter.
Σ	Summation.
σ	Surface tension (alternative symbol).
ϕ	Fluidity.
$[\omega]$	Specific magnetic rotation.

JOURNALS FROM WHICH ABSTRACTS ARE MADE.

The following is a list of Journals from which abstracts are made (directly or indirectly) by the Chemical Society and the Society of Chemical Industry. The abbreviated titles printed in italics represent Journals abstracted by the Chemical Society, those printed in roman type being abstracted by the Society of Chemical Industry. Of the former Journals those indicated by an asterisk are also abstracted by the Society of Chemical Industry.

ABBREVIATED TITLE.	JOURNAL.
<i>Abh. Böhm. Akad.</i> . . .	Abhandlungen der Böhmisches Akademie.
<i>Abh. Deut. Naturwiss. Med. Ver. Böhmen.</i> . . .	Abhandlungen der Deutschen Naturwissenschaftlichen und Medizinischen Verein, Böhmen.
<i>Acad. Sci. Fennicae</i> . . .	Acta Societatis Scientiarum Fennicae.
<i>Agric. Bull. F. M. S.</i> . . .	Agricultural Bulletin of the Federated Malay States.
<i>Agric. J. India</i> . . .	Agricultural Journal of India.
<i>Agric. Ledger</i> . . .	Agricultural Ledger.
<i>Agric. Res. Inst., Pusa Rep.</i> (Bull.) . . .	Agricultural Research Institute, Pusa, Report and Bulletins.
<i>Allgem. Z. Bierbrau. u. Malzfabr.</i> . . .	Allgemeine Zeitschrift für Bierbrauerei und Malzfabrikation.
<i>Amer. J. Bot.</i> . . .	American Journal of Botany.
<i>Amer. J. Dis. Children</i> . . .	American Journal of Diseases of Children.
<i>Amer. J. Pharm.</i> . . .	American Journal of Pharmacy.
<i>Amer. J. Physiol.</i> . . .	American Journal of Physiology.
<i>Amer. J. Publ. Health</i> . . .	American Journal of Public Health.
* <i>Amer. J. Sci.</i> . . .	American Journal of Science.
<i>Amer. Min.</i> . . .	American Mineralogist.
<i>Anal. Fis. Quím.</i> . . .	Anales de la Sociedad Española de Física y Química.
<i>Anal. Soc. Quím. Argentina</i> . . .	Anales de la Asociación Química Argentina.
* <i>Analyst</i> . . .	Analyst.
<i>Annalen</i> . . .	Justus Liebig's Annalen der Chemie.
<i>Ann. Bot.</i> . . .	Annals of Botany.
<i>Ann. di Bot.</i> . . .	Annali di Botanica.
<i>Ann. Chim.</i> . . .	Annales de Chimie.
* <i>Ann. Chim. Analyt.</i> . . .	Annales de Chimie Analytique et de Chimie Appliquée.
<i>Ann. Falsif.</i> . . .	Annales des Falsifications.
<i>Ann. hyg. pub. med. legale.</i> . . .	Annales d'hygiène publique et de médecine légale.
<i>Ann. Inst. Pasteur</i> . . .	Annales de l'Institut Pasteur.
<i>Ann. Physik</i> . . .	Annalen der Physik.
<i>Ann. Physique</i> . . .	Annales de Physique.
<i>Ann. R. Staz. Chim. Agrar. Sperim.</i> . . .	Annali della R. Stazione Chimico Agraria Sperimentale di Roma.
<i>Ann. sci. Univ. Jassy</i> . . .	Annales scientifiques de l'Université de Jassy.
<i>Ann. Soc. Geol. Belg.: Publ. rel. au Congo Belge</i> . . .	Annales de la Société géologique de Belgique: Publications relatives au Congo Belge.
<i>Apoth. Zeit.</i> . . .	Apotheker-Zeitung.
<i>Arch. Gebiet. Physik, Math. Chem.</i> . . .	Arbeiten aus dem Gebiete der Physik, Mathematik und Chemie.
<i>Arch. Anat. Physiol.</i> . . .	Archiv für Anatomie und Physiologie.
<i>Arch. Entw.-mech. Org.</i> . . .	Archiv für Entwicklungsmechanik der Organismen.
<i>Arch. exp. Path. Pharm.</i> . . .	Archiv für experimentelle Pathologie und Pharmakologie.
<i>Arch. Farm. sperim. Sci. aff.</i> . . .	Archivio di Farmacologia sperimentale e Scienze affini.
<i>Arch. Fisiol.</i> . . .	Archivio di Fisiologia.
<i>Arch. Int. Med.</i> . . .	The Archives of Internal Medicine.
<i>Arch. Ital. Biol.</i> . . .	Archives italiennes de Biologie.
<i>Arch. Med. Pharm. milit.</i> . . .	Archives de Médecine et de Pharmacie militaires.

ABBREVIATED TITLE.	JOURNAL.
<i>Arch. Néerland.</i> . . .	Archives Néerlandaises de sciences exactes et naturelles.
<i>Arch. Néerland. physiol.</i> . . .	Archives Néerlandaises de physiologie de l'homme et des animaux.
* <i>Arch. Pharm.</i> . . .	Archiv der Pharmazie.
<i>Arch. Sci. phys. nat.</i> . . .	Archives des Sciences physiques et naturelles.
<i>Arch. Suikerind. Ned. Indie</i> . . .	Archief voor de Suikerindustrie in Nederlandsch-Indië.
<i>Arkiv Kem. Min. Geol.</i> . . .	Arkiv för Kemi, Mineralogi och Geologi.
* <i>Atti R. Acad. Lincei</i> . . .	Atti della Reale Accademia dei Lincei.
<i>Atti R. Acad. Sci. Torino</i> . . .	Atti della Reale Accademia delle Scienze di Torino.
<i>Atti R. Ist. Veneto Sci.</i> . . .	Atti del Reale Istituto Veneto di Scienze, Lettere ed Arti.
<i>Aust. Pharm. Notes</i> . . .	Australian Pharmaceutical Notes and News
<i>Beitr. Min. Japan</i> . . .	Beiträge zur Mineralogie von Japan.
<i>Berg. Hüttenm. Rundsch.</i> . . .	Berg- und Hüttenmannisches Rundschau.
* <i>Ber.</i> . . .	Berichte der Deutschen chemischen Gesellschaft.
<i>Ber. Deut. bot. Ges.</i> . . .	Berichte der Deutschen botanischen Gesellschaft.
* <i>Ber. Deut. pharm. Ges.</i> . . .	Berichte der Deutschen pharmazeutischen Gesellschaft.
<i>Ber. Oberhess. Ges. Natur. Heilkunde.</i> . . .	Berichte der Oberhessischen Gesellschaft für Natur- und Heilkunde zu Giessen.
<i>Ber. Ohara Inst. landw. Forsch.</i> . . .	Berichte des Ohara Instituts für landwirtschaftliche Forschungen.
<i>Ber. Sächs. Akad. Wiss.</i> . . .	Berichte über die Verhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig.
<i>Berlin. Klin. Woch.</i> . . .	Berliner Klinische Wochenschrift.
* <i>Bied. Zentr.</i> . . .	Biedermann's Zentralblatt für Agrikulturchemie und rationellen Landwirtschafts-Betrieb.
<i>Biochem. Bull.</i> . . .	Biochemical Bulletin.
* <i>Biochem. J.</i> . . .	Biochemical Journal.
* <i>Biochem. Z.</i> . . .	Biochemische Zeitschrift.
<i>Bl. of Trade J.</i> . . .	Board of Trade Journal.
<i>Bol. Acad. Nac. Ciencias, Córdoba.</i> . . .	Boletín de la Academia Nacional des Ciencias, Córdoba.
* <i>Boll. Chim. farm.</i> . . .	Bollettino Chimico farmaceutico.
<i>Boll. Soc. Geol. Ital.</i> . . .	Bollettino della Società Geologica Italiana.
<i>Boll. Soc. Med. Chirurg.</i> . . .	Bollettino della Società Medico-Chirurgica, Pavia.
<i>Bot. Centr.</i> . . .	Botanisches Centralblatt.
<i>Bot. Gaz.</i> . . .	Botanical Gazette.
<i>Brass. Malt.</i> . . .	Brasserie et Malterie.
<i>Brau- u. Malzind.</i> . . .	Brau- u. Malzindustrie.
<i>Braunkohle</i> . . .	Braunkohle.
* <i>Brennstoff-Chem.</i> . . .	Brennstoff-Chemie.
<i>Brewers' J.</i> . . .	Brewers' Journal.
<i>Brit. J. Phot.</i> . . .	British Journal of Photography.
<i>Brit. Med. J.</i> . . .	British Medical Journal.
<i>Brit. Pat.</i> . . .	British Patent.
<i>Buletinul Chim.</i> . . .	Buletinul Chimie.
<i>Bul. Soc. Chim. România</i> . . .	Buletinul Societății de Chimie din România.
<i>Bul. Soc. Romane Stiin.</i> . . .	Buletinul Societății Române de Științe.
<i>Bull. Acad. roy. Belg.</i> . . .	Académie royale de Belgique—Bulletin de la Classe des Sciences.
<i>Bull. Acad. Sci. Roumaine</i> . . .	Bulletin de la Section Scientifique de l'Académie Roumaine.
<i>Bull. Agric. Intell.</i> . . .	Bulletin of the Bureau of Agricultural Intelligence and of Plant Diseases.
<i>Bull. Assoc. Chim. Socr.</i> . . .	Bulletin de l'Association des Chimistes de Sucrerie et de Distillerie.

ABBREVIATED TITLE.	JOURNAL.
Bull. Bureau of Standards (U.S.A.).	Bulletin of the Bureau of Standards (U.S.A.).
Bull. Com. Géol. Finlande.	Bulletin de la Commission Géologique de Finlande.
Bull. Forest Exp. Stat. Meguro.	Bulletin of the Forest Experiment Station, Meguro, Tokyo.
Bull. gén. Thérap.	Bulletin général de Thérapentique médicale, chirurgicale; obstétricale.
Bull. Géol. d'Alsace.	Bulletin du Service de la Carte Géologique d'Alsace et de Lorraine.
Bull. Géol. Inst. Univ. Upsala.	Bulletin of the Geological Institution of the University of Upsala.
Bull. Géol. Soc. Amer.	Bulletin of the Geological Society of America.
Bull. Géol. Survey, U.S.A.	Bulletin of the U.S. Geological Survey.
Bull. Géol. Survey, West Australia.	Bulletin of the Geological Survey, West Australia.
Bull. Imp. Inst.	Bulletin of the Imperial Institute.
Bull. Indian Ind. Lab.	Bulletin of Indian Industries and Labour.
Bull. Johns Hopkins Hospital.	Bulletin of the Johns Hopkins Hospital.
Bull. School Mines and Met., Univ. Missouri.	Bulletin of the School of Mines and Metallurgy, University of Missouri.
Bull. Sci. Pharmacol.	Bulletin des Sciences Pharmacologiques.
*Bull. Soc. chim.	Bulletin de la Société chimique de France.
*Bull. Soc. chim. Belg.	Bulletin de la Société chimique de Belgique.
Bull. Soc. Chim. biol.	Bulletin de la Société de Chimie biologique.
Bull. Soc. d'Encour.	Bulletin de la Société d'Encouragement pour l'Industrie Nationale.
Bull. Soc. franç. Min.	Bulletin de la Société française de Minéralogie.
Bull. Soc. Franç. Phot.	Bulletin de la Société Française de Photographie.
Bull. Soc. Ind. Mulhouse.	Bulletin de la Société Industrielle de Mulhouse.
Bull. Soc. Ind. Nord.	Bulletin de la Société Industrielle du Nord de la France.
Bull. Soc. Oural. Sci. Nat.	Bulletin de la Société Ouralienne des Amateurs des Sciences Naturelles à Catherineberg.
Bull. Soc. Pharm. Bordeaux.	Bulletin des Travaux de la Société de Pharmacie de Bordeaux.
Bull. Wellcome Trop. Res. Lab.	Bulletin of the Wellcome Tropical Research Laboratory.
Cairo Sci. J.	Cairo Scientific Journal.
Canada Dept. Mines Publ.	Canada Department of Mines Publications.
*Canadian Chem. Met.	Canadian Chemistry and Metallurgy.
Canadian Med. Assoc. J.	Canadian Medical Association Journal.
Caoutchouc et Gutta-Percha.	Le Caoutchouc et le Gutta-Percha.
Casopis. Math. Fysiky.	Casopsis pro pěstování Matematiky a Fysiky.
*Centr. Bakt. Par.	Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten.
Centr. Min.	Centralblatt für Mineralogie, Geologie und Palaeontologie.
Ch. of Comm. J.	Chamber of Commerce Journal.
Chem. App.	Chemische Apparatur.
Chem. Erde.	Chemie der Erde.
Chem. Ind.	Chemische Industrie.
Chem. Listy.	Chemické Listy pro Vědu a Průmysl. Organ de la "Česká chemická Společnost pro Vědu a Průmysl."
*Chem. and Met. Eng.	Chemical and Metallurgical Engineering.
*Chem. News.	Chemical News.
Chem. Trade J.	Chemical Trade Journal.
Chem. Umschau.	Chemische Umschau auf dem Gebiete der Fette, Öle, Wachse, und Harze.
*Chem. Weekblad.	Chemisch Weekblad.

ABBREVIATED TITLE.	JOURNAL.
* <i>Chem.-Ztg.</i>	Chemiker-Zeitung.
<i>Chem. Z.</i>	Chemische Zeitschrift.
* <i>Chem. Zentr.</i>	Chemisches Zentralblatt.
<i>Chem. and Drug.</i>	Chemist and Druggist.
* <i>Chim. et Ind.</i>	Chimie et Industrie.
<i>Collegium</i>	Collegium.
* <i>Compt. rend.</i>	Comptes rendus hebdomadaires des Séances de l'Académie des Sciences.
<i>Compt. rend. Soc. Biol.</i>	Comptes rendus hebdomadaires de Séances de la Société de Biologie.
Comptes rend. Trav. Lab. Carlsberg	Comptes rendus des Travaux du Laboratoire Carlsberg.
D. R. P.	Deutsches Reichs-Patent.
Dept. Chem. S. Australia, Bull.	Department of Chemistry, South Australia, Bulletins.
<i>Deut. med. Woch.</i>	Deutsche medizinische Wochenschrift.
<i>Econ. Geol.</i>	Economic Geology.
<i>Econ. Proc. Roy. Dubl. Soc.</i>	Economic Proceedings of the Royal Dublin Society.
<i>Elektrochem. Z.</i>	Elektrochemische Zeitschrift.
<i>Engineering</i>	Engineering.
<i>Eng. and Min. J.</i>	Engineering and Mining Journal.
<i>Exper. Stat. Rec.</i>	Experimental Station Record.
<i>Farben-Ztg.</i>	Farben-Zeitung.
<i>Fermentforsch.</i>	Fermentforschung.
<i>Feuerungstechnik</i>	Feuerungstechnik.
<i>Flora</i>	Flora.
<i>Földtani Közlöny</i>	Földtani Közöly.
<i>Fr. Pat.</i>	French Patent.
<i>Gas J.</i>	Gas Journal.
<i>Gas World</i>	Gas World.
* <i>Gazzetta</i>	Gazzetta chimica italiana.
<i>Geol. För. Förh.</i>	Geologiska Föreningens i Stockholm Förhandlingar.
<i>Geol. Mag.</i>	Geological Magazine.
<i>Gerber</i>	Cerber.
* <i>Giorn. Chim. Ind. Appl.</i>	Giornale di Chimica Industriale ed Applicata.
<i>Gummi-Ztg.</i>	Gummi-Zeitung.
<i>Handl. Vijft. Nat.</i>	Handelingen van het Vijftende Natuur.
<i>Hawaii Agric. Exp. Stat. Bull.</i>	Hawaii Agricultural Experiment Station Bulletins.
<i>Heart</i>	Heart.
<i>Helv. Chim. Acta</i>	Helvetica Chimica Acta.
<i>Hyg. Rundsch.</i>	Hygienische Rundschau.
<i>Indian J. Med. Res.</i>	Indian Journal of Medical Research.
<i>India-rubber J.</i>	India-rubber Journal.
<i>Int. Sugar J.</i>	International Sugar Journal.
<i>Iron Steel Inst. Carnegie Schol. Mem.</i>	Iron and Steel Institute, Carnegie Scholarship Memoirs.
<i>Jahrb. Geol. Reichsanst.</i>	Jahrbuch der geologischen Reichsanstalt.
<i>Jahrb. Min.</i>	Nenes Jahrbuch für Mineralogie, Geologie und Palaeontologie.
<i>Jahrb. Min. Beil.-Bd.</i>	Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, Beilage-Band.
<i>Jahrb. Radioaktiv. Elek. Ionik.</i>	Jahrbuch der Radioaktivität und Elektronik.
<i>Jahrb. wiss. Bot.</i>	Jahrbuch für wissenschaftliche Botanik.
<i>Jahresber. Ges. vaterl. Kultur.</i>	Jahresbericht der schlesischen Gesellschaft für vaterländische Kultur.
<i>Jernk. Ann.</i>	Jernkontorets Annaler.
* <i>J. Agric. Res.</i>	Journal of Agricultural Research.

ABBREVIATED TITLE.	JOURNAL.
* <i>J. Agric. Sci.</i> . . .	Journal of Agricultural Science.
<i>J. Amer. Ceram. Soc.</i> . . .	Journal of the American Ceramic Society.
* <i>J. Amer. Chem. Soc.</i> . . .	Journal of the American Chemical Society.
<i>J. Amer. Leather Chem. Assoc.</i> . . .	Journal of the American Leather Chemists' Association.
<i>J. Amer. Med. Assoc.</i> . . .	Journal of the American Medical Association.
<i>J. Assoc. Off. Agric. Chem.</i> . . .	Journal of the Association of Official Agricultural Chemists.
* <i>J. Biol. Chem.</i> . . .	Journal of Biological Chemistry, New York.
<i>J. Canad. Min. Inst.</i> . . .	Journal of the Canadian Mining Institute.
<i>J. Chem. Ind. Tokyo</i> . . .	See Kogyô-Kwagaku-Zasshi.
<i>J. Chem. Met. Soc. S. Africa</i> . . .	Journal of the Chemical, Metallurgical, and Mining Society of South Africa.
<i>J. Chem. Soc. Japan.</i> . . .	Journal of the Chemical Society of Japan. (Nippon Kwagaku Kwai Shi.)
<i>J. Chim. physique</i> . . .	Journal de Chimie physique.
<i>J. Coll. Agric. Tohoku</i> . . .	Journal of the College of Agriculture, Tohoku Imperial University, Japan.
<i>J. Coll. Agric. Tokyo</i> . . .	Journal of the College of Agriculture, Imperial University of Tokyo, Japan.
<i>J. Coll. Eng. Tokyo</i> . . .	Journal of the College of Engineering, Imperial University of Tokyo.
* <i>J. Coll. Sci. Tokyo</i> . . .	Journal of the College of Science, Imperial University of Tokyo.
<i>J. Exp. Med.</i> . . .	Journal of Experimental Medicine.
* <i>J. Franklin Inst.</i> . . .	Journal of the Franklin Institute.
<i>J. Gasbeleucht.</i> . . .	Journal für Gasbeleuchtung und Wasserversorgung.
<i>J. gen. Physiol.</i> . . .	Journal of general Physiology.
<i>J. Genetics</i> . . .	Journal of Genetics.
<i>J. Geol.</i> . . .	Journal of Geology.
<i>J. Geol. Soc. Tokyo</i> . . .	Chishitsugaku Zasshi (Journal of the Geological Society of Tokyo).
<i>J. Hygiene</i> . . .	Journal of Hygiene.
* <i>J. Ind. Eng. Chem.</i> . . .	Journal of Industrial and Engineering Chemistry.
<i>J. Indian Ind. Lab.</i> . . .	Journal of Indian Industries and Labour.
* <i>J. Indian Inst. Sci.</i> . . .	Journal of the Indian Institute of Science.
<i>J. Inst. Brewing</i> . . .	Journal of the Institute of Brewing.
<i>J. Inst. Metals</i> . . .	Journal of the Institute of Metals.
<i>J. Inst. Petroleum Tech.</i> . . .	Journal of the Institution of Petroleum Technologists.
<i>J. Iron and Steel Inst.</i> . . .	Journal of the Iron and Steel Institute.
<i>J. Landw.</i> . . .	Journal für Landwirtschaft.
<i>J. Marine Biol. Assoc. U.K.</i> . . .	Journal of the Marine Biological Association of the United Kingdom.
<i>J. Med. Res.</i> . . .	Journal of Medical Research.
<i>J. Min. Agric.</i> . . .	Journal of the Ministry of Agriculture.
<i>J. Path. Bact.</i> . . .	Journal of Pathology and Bacteriology.
<i>J. Opt. Soc. Amer.</i> . . .	Journal of the Optical Society of America.
* <i>J. Pharm. Chim.</i> . . .	Journal de Pharmacie et de Chimie.
<i>J. Pharm. Expt. Ther.</i> . . .	Journal of Pharmacology and Experimental Therapeutics.
<i>J. Pharm. Soc. Japan</i> . . .	Journal of the Pharmaceutical Society of Japan (Yakugakuzasshi).
* <i>J. Physical Chem.</i> . . .	Journal of Physical Chemistry.
<i>J. Physiol.</i> . . .	Journal of Physiology.
<i>J. Physiol. Path. gen.</i> . . .	Journal de Physiologie et de Pathologie générale.
<i>J. Phys. Radium</i> . . .	Journal de Physique et le Radium.
* <i>J. pr. Chem.</i> . . .	Journal für praktische Chemie.
<i>J. Proc. Asiatic Soc. Bengal.</i> . . .	Journal and Proceedings of the Asiatic Society of Bengal.

ABBREVIATED TITLE.	JOURNAL.
<i>J. Roy. Agric. Soc.</i> . . .	Journal of the Royal Agricultural Society.
<i>J. Roy. Army Med. Corps</i> .	Journal of the Royal Army Medical Corps.
<i>J. Roy. Hort. Soc.</i> . . .	Journal of the Royal Horticultural Society.
<i>J. Roy. Soc. New South Wales.</i>	Journal and Proceedings of the Royal Society of New South Wales.
<i>J. Roy. Soc. West Australia</i>	Journal of the Royal Society of West Australia.
<i>*J. Russ. Phys. Chem. Soc.</i>	Journal of the Physical and Chemical Society of Russia.
<i>J. Scot. Met. Soc.</i> . . .	Journal of the Scottish Meteorological Society.
<i>J. Soc. Arts</i>	Journal of the Royal Society of Arts.
<i>J. Soc. Dyers and Col.</i> . .	Journal of the Society of Dyers and Colourists.
<i>J. Soc. Leather Trades Chem.</i>	Journal of the Society of Leather Trades Chemists.
<i>J. Soc. Glass Technology</i> .	Journal of the Society of Glass Technology.
<i>J. S. African Assoc. Anal. Chem.</i>	Journal of the South African Association of Analytical Chemists.
<i>J. Textile Inst.</i>	Journal of the Textile Institute.
<i>J. Usines Gaz</i>	Journal des Usines à Gaz.
<i>J. Washington Acad. Sci.</i> .	Journal of the Washington Academy of Science.
<i>J. West Scotland Iron Steel Inst.</i>	Journal of the West of Scotland Iron and Steel Institute.
<i>K. Svenska Vet.-Akad. Handl.</i>	Kongliga Svenska Vetenskaps Akademiens Handlingar.
<i>Kentucky Exp. Stat. Bull.</i>	Kentucky Experimental Station, Bulletin.
<i>Keram. Rundsch.</i>	Keramisch Rundschau.
<i>Kew Bull.</i>	Kew Bulletin.
<i>Kongl. Landtbr. Haudl. Tidskr.</i>	See Bull. Agric. Intell.
<i>Kōgyō-Kwagaku-Zasshi (J. Chem. Ind. Japan).</i>	Kōgyō-Kwagaku-Zasshi (Journal of Chemical Industry, Japan).
<i>*Kolloid Z.</i>	Kolloid Zeitschrift.
<i>*Koll. Chem. Beihefte</i> . .	Kolloid-chemische Beihefte.
<i>Kosmos</i>	Kosmos (Lernberg).
<i>Kühn-Archiv</i>	Kühn-Archiv.
<i>Kunststoffe</i>	Kunststoffe.
<i>Lancet</i>	The Lancet.
<i>Landw. Jahrb.</i>	Landwirtschaftliche Jahrbücher.
<i>Landw. Versuchs.-Stat.</i> . .	Die landwirtschaftlichen Versuchs-Stationen.
<i>Leather Trades Rev.</i> . . .	Leather Trades Review.
<i>Louisiana Bull.</i>	Louisiana Bulletin.
<i>Louisiana Planter</i>	Louisiana Planter.
<i>Lunds. Univ. Årsskr.</i> . . .	Lunds Universitets Års-skrift.
<i>Math. és Termész. Ért.</i> . .	Mathematikai és Természettudományi Értesítő, Budapest.
<i>Medl. K. Vetenskapsakad. Nobel-Inst.</i>	Meddelanden från Kongl. Vetenskapsakademiens Nobel-Institut.
<i>Medl. on Grönland</i>	Meddelelser on Grönland.
<i>Med. Genes. Lab. Welterreden.</i>	Mededeelingen uit het Geneeskundig Laboratorium te Weltevreden.
<i>Med. Chron.</i>	Medical Chronicle.
<i>Med. Klinik</i>	Medizinische Klinik.
<i>Mem. Acad. Lincei</i>	Memorie della Reale Accademia dei Lincei.
<i>Mem. Acad. Sci. Torino</i> . .	Memorie della Reale Accademia delle Scienze di Torino.
<i>Mem. Coll. Sci. Kyōtō</i> . . .	Memoirs of the College of Science, Kyōtō Imperial University.
<i>Mem. Coll. Sci. and Eng. Kyōtō Imp. Univ.</i>	Memoirs of the College of Science and Engineering, Kyōtō Imperial University.
<i>Mem. Dept. Agric. India</i> . .	Memoirs of the Department of Agriculture in India.
<i>Mem. Manchester Phil. Soc.</i>	Memoirs and Proceedings of the Manchester Literary and Philosophical Society.

16 JOURNALS FROM WHICH ABSTRACTS ARE MADE.

ABBREVIATED TITLE.	JOURNAL.
Mem. Soc. Ing. Civ. . . .	Mémoires de la Société des Ingénieurs Civils de France.
Mem. Soc. Toscana Sci. Nat.	Memorie della Società Toscana di Scienze naturali residenti in Pisa.
Metal. u. Erz	Metall und Erz.
Metrop. Water Bd. Rep.	Metropolitan Water Board Reports.
Milch. Zentr. . . .	Milchwirtschaftliches Zentralblatt.
Min. Mag.	Mineralogical Magazines and Journal of the Mineralogical Society.
Mitt. Ges. Warme. . . .	Mitteilungen des Gesellschaft für Warmewirtschaft.
Mitt. Materialprüf. . . .	Mittheilungen aus dem Materialprüfungsamt zu Gross-Lichterfelds West.
Mitt. med. Ges. Tokyo	Mittheilungen der medizinischen Gesellschaft zu Tokyo.
Mitt. Naturforsch. Ges. Halle.	Mittheilungen der Naturforschenden Gesellschaft zu Halle.
Mitt. Path. Inst. K. Univ. Japan.	Mittheilungen aus dem pathologischen Institut der Kaiserlichen Universität zu Sendai, Japan.
* Monatsh.	Monatshefte für Chemie und verwandte Teile anderer Wissenschaften.
Monatsh. Math. Physik . .	Monatshefte für Mathematik und Physik.
* Mon. Sci.	Moniteur Scientifique.
Month. Not. Roy. Astr. Soc.	Monthly Notices of the Royal Astronomical Society, London.
Munch. med. Woch. . . .	Münchener medizinische Wochenschrift.
Nachr. Ges. Wiss. Göttingen.	Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen.
Nature	Nature.
Naturwiss.	Die Naturwissenschaften.
Naturw. Rdsch.	Naturwissenschaftliche Rundschau.
New York Agr. Expt. Sta. Bull.	New York Agricultural Experiment Station Bulletin.
New Zealand Dominion Laby. Rept.	New Zealand Dominion Laboratory Reports.
New Zealand Jnl. of Science and Technology	New Zealand Journal of Science and Technology.
Nippon Kwagaku Kwai Shi (J. Chem. Soc. Japan).	Nippon Kwagaku Kwa Shi (Journal of the Chemical Society of Japan).
Nova Acta Soc. Sci. . . .	Nova Acta Regiæ Societatis Scientiarum Upsaliensis.
Nuovo Cim.	Il Nuovo Cimento.
Öfvers. Finska Vet.-Soc.	Öfversigt af Finska Vetenskaps-Societätens Förhandlingar, Helsingfors.
* Oesterr. Chem.-Zeit. . .	Oesterreichische Chemiker-Zeitung.
Oil and Colour Trades J. .	Oil and Colour Trades Journal.
Oil, Paint, and Drug Rep. .	Oil, Paint, and Drug Reporter.
Oversigt Danske Vid. S. Isk.	Oversigt over det Kongelige Danske Videnskabs Selskabs Forhandlingar.
Pahasapa Quart.	Pahasapa Quarterly
Paper	Paper.
Papierfabr.	Papier-Fabrikant.
Perf. and Essent. Oil Rec.	Perfumery and Essential Oil Record.
Per. spis. Sofia	Periodicesko spisanie Sofia.
Petroleum	Petroleum.
Plüger's Archiv.	Archiv für die gesamte Physiologie des Menschen und der Thiere.
Pharm. J.	Pharmaceutical Journal.
* Pharm. Weekblad	Pharmaceutisch Weekblad.
* Pharm. Zentr.-h.	Pharmazeutische Zentralhalle.
Phil. Mag.	Philosophical Magazine (The London, Edinburgh and Dublin).

ABBREVIATED TITLE.	JOURNAL.
<i>Phil. Trans.</i> . . .	Philosophical Transactions of the Royal Society of London.
Philippine J. Sci. . .	Philippine Journal of Science.
Phot. J.	Photographic Journal.
Phot. Korr.	Photographische Korrespondenz.
<i>Physical Rev.</i> . . .	Physical Review.
<i>Physikal. Z.</i>	Physikalische Zeitschrift.
<i>Proc. Amer. Phil. Soc.</i> .	Proceedings of the American Philosophical Society.
<i>Proc. Amer. Physiol. Soc.</i> .	Proceedings of the American Physiological Society.
* <i>Proc. Amer. Soc. Biol. Chem.</i>	Proceedings of the American Society of Biological Chemists.
<i>Proc. Amer. Soc. Civ. Eng.</i>	Proceedings of the American Society of Civil Engineers.
<i>Proc. Amer. Soc. Testing Materials</i>	Proceedings of American Society for Testing Materials.
<i>Proc. Austral. Inst. Min. Met.</i>	Proceedings of the Australasian Institute of Mining and Metallurgy.
<i>Proc. Camb. Phil. Soc.</i> .	Proceedings of the Cambridge Philosophical Society.
<i>Proc. Durham Phil. Soc.</i> .	Proceedings of the Durham Philosophical Society.
<i>Proc. Eng. Soc. W. Pa.</i> .	Proceedings of the Engineers' Society of Western Pennsylvania.
<i>Proc. Inst. Civ. Eng.</i> . .	Proceedings of the Institution of Civil Engineers.
<i>Proc. Inst. Mech. Eng.</i> .	Proceedings of the Institution of Mechanical Engineers.
* <i>Proc. K. Akad. Wetensch. Amsterdam.</i>	Koninklijke Akademie van Wetenschappen te Amsterdam. Proceedings (English version).
<i>Proc. Nat. Acad. Sci.</i> . .	Proceedings of the National Academy of Sciences.
<i>Proc. Nova Scotia Inst. Sci.</i>	Proceedings of the Nova Scotia Institute of Science.
<i>Proc. Phil. Soc. Glasgow</i> .	Proceedings of the Glasgow Philosophical Society.
<i>Proc. Physical Soc.</i> . . .	Proceedings of the Physical Society of London.
<i>Proc. Physiol. Soc.</i> . . .	Proceedings of the Physiological Society.
<i>Proc. Roy. Inst.</i>	Proceedings of the Royal Institution of Great Britain.
<i>Proc. Roy. Irish Acad.</i> .	Proceedings of the Royal Irish Academy.
* <i>Proc. Roy. Soc.</i>	Proceedings of the Royal Society.
<i>Proc. Roy. Soc. Edin.</i> . .	Proceedings of the Royal Society of Edinburgh.
<i>Proc. Roy. Soc. Med.</i> . . .	Proceedings of the Royal Society of Medicine.
<i>Proc. Roy. Soc. Queensland</i>	Proceedings of the Royal Society of Queensland.
<i>Proc. Roy. Soc. Tasmania</i> .	Proceedings of the Royal Society of Tasmania.
<i>Proc. Soc. Exp. Biol. Med.</i> .	Proceedings of the Society for Experimental Biology and Medicine.
<i>Proc. U.S. Nat. Mus.</i> . . .	Proceedings of the United States National Museum.
<i>Proc. verb. Soc. Toscana Sci. Nat.</i>	Processi verbali Società Toscana di Scienze Naturali.
Pulp and Paper Magazine .	Pulp and Paper Magazine of Canada.
<i>Quart. J. Exp. Physiol.</i> . .	Quarterly Journal of Experimental Physiology.
<i>Quart. J. Geol. Soc.</i> . . .	Quarterly Journal of the Geological Society.
<i>Quart. J. Med.</i>	Quarterly Journal of Medicine.
<i>Radium in Biol. Heilkunde</i>	Radium in Biologie und Heilkunde.
<i>Rec. Australian Mus.</i> . . .	Records of the Australian Museum.
<i>Rec. trav. bot. Néerland.</i> .	Recueil des travaux botaniques Néerlandaises.
* <i>Rec. trav. chim.</i>	Recueil des travaux chimiques des Pays-Bas.
<i>Rend. Accad. Sci. Fis. Mat. Napoli.</i>	Rendiconto dell' Accademia delle Scienze Fisiche e Matematiche, Napoli.
<i>Rend. Ist. Lomb. Sci. Lett.</i> .	Rendiconti dell' Reale Istituto Lombardo di Scienze e Lettere.
<i>Rep. Aust. Assoc. Sci.</i> . . .	Report of the Australian Association for the Advancement of Science.
<i>Rep. Brit. Assoc.</i>	Report of the British Association for the Advancement of Science.
<i>Rev. Chim.</i>	Revue chimique Oficijelni organ udruženja Jugoslavenskih Kemikara.

ABBREVIATED TITLE.	JOURNAL.
<i>Rev. gén. Bot.</i>	Revue générale de Botanique.
<i>Rev. Gén. Mat. Col.</i>	Revue Générale des Matières Colorantes.
<i>Rev. Mét.</i>	Revue de Métallurgie.
<i>Rev. Real Acad. Ciencias exact. Madrid.</i>	Revista de la Real Academia de Ciencias exactas, Físicas y Naturales de Madrid.
<i>Riv. Min. Crist. Ital.</i>	Rivista di Mineralogia e Cristallografia Italiana.
<i>Sbornik Klubu Pri.</i>	Sbornik Klubu Přírodovědeckého (Prague).
<i>Schweiz. Apoth. Zeit.</i>	Schweizerische Apotheker Zeitung.
<i>Schweiz. Chem. Zeit.</i>	Schweizerische Chemiker Zeitung.
<i>Science</i>	Science.
<i>Scient. Amer.</i>	Scientific American.
<i>*Sci. Ind. Rep. Roure-Bertrand Filis.</i>	Scientific and Industrial Reports of Roure-Bertrand Filis.
<i>Sci. Proc. Roy. Dubl. Soc.</i>	Scientific Proceedings of the Royal Dublin Society.
<i>Sci. Rep. Tohoku Imp. Univ.</i>	Science Reports, Tohoku Imperial University.
<i>Sci. Trans. Roy. Dubl. Soc.</i>	Scientific Transactions of the Royal Dublin Society.
<i>Seifensied. Ztg.</i>	Seifensieder Zeitung.
<i>Sitzungsber. Akad. München.</i>	Sitzungsberichte der bayerischen Akademie der Wissenschaften zu München.
<i>Sitzungsber. Akad. Wiss. Wien.</i>	Sitzungsberichte der Akademie der Wissenschaften, Wien.
<i>Sitzungsber. Ges. Naturwiss. Marburg.</i>	Sitzungsberichte der Gesellschaft zur Beförderung der gesammten Naturwissenschaften in Marburg.
<i>Sitzungsber. Heidelberger Akad. Wiss.</i>	Sitzungsberichte der Heidelberger Akademie der Wissenschaften.
<i>Sitzungsber. Med. Naturwiss. Ges. Münster.</i>	Sitzungsberichte der Medizinisch-Naturwissenschaftlichen Gesellschaft zu Münster-in-Westfalen.
<i>Sitzungsber. Naturforsch. Ges. Rostock.</i>	Sitzungsberichte der Naturforschenden Gesellschaft zu Rostock.
<i>Sitzungsber. phys. med. Ges. Erlangen.</i>	Sitzungsberichte der physikalisch-medizinischen Gesellschaft zu Erlangen.
<i>Sitzungsber. Preuss. Akad. Wiss. Berlin.</i>	Sitzungsberichte der Preussischen Akademie der Wissenschaften zu Berlin.
<i>Skand. Arch. Physiol.</i>	Skandinavisches Archiv für Physiologie.
<i>Smithsonian Miscell. Coll.</i>	Smithsonian Miscellaneous Collections.
<i>*Soil Sci.</i>	Soil Science.
<i>South African J. Ind.</i>	South African Journal of Industries.
<i>South African J. Sci.</i>	South African Journal of Science.
<i>Sprechsaal.</i>	Sprechsaal.
<i>Stahl u. Eisen</i>	Stahl und Eisen.
<i>Staz. sper. agr. ital.</i>	Stazioni sperimentali agrarie italiane.
<i>Strahlenther.</i>	Strahlentherapie.
<i>Suom. Tied. Toim.</i>	Suomalaisen Tiedekatemia Toimustus.
<i>Svensk Kem. Tidskr.</i>	Svensk Kemisk Tidskrift.
<i>T.</i>	Transactions of the Chemical Society.
<i>Tech. Rep. Tohoku Imp. Univ.</i>	Technology Reports of the Tohoku Imperial University, Sendai, Japan.
<i>Tekn. Tidsk.</i>	Teknisk Tidskrift.
<i>Textilber.</i>	Textilberichte über Wissenschaft, Industrie und Handel.
<i>Ther. Gegenw.</i>	Die Therapie der Gegenwart.
<i>Ther. Monatsh.</i>	Therapeutische Monatshefte.
<i>Times Eng. Suppl.</i>	Times Engineering Supplement.
<i>Tonind. Zeit.</i>	Tonindustrie-Zeitung.
<i>Trans. Amer. Electrochem. Soc.</i>	Transactions of the American Electrochemical Society.
<i>Trans. Amer. Inst. Chem. Eng.</i>	Transactions of the American Institute of Chemical Engineers.
<i>Trans. Amer. Inst. Metals</i>	Transactions of the American Institution of Metals.

ABBREVIATED TITLE.	JOURNAL.
Trans. Amer. Inst. Min. Eng.	Transactions of the American Institute of Mining Engineers.
Trans. Ceram. Soc.	Transactions of the Ceramic Society.
*Trans. Faraday Soc.	Transactions of the Faraday Society.
Trans. Inst. Min. and Met.	Transactions of the Institution of Mining and Metallurgy.
Tr. N. Eng. Inst. Min. and Met.	Transactions of the North of England Institute of Mining and Metallurgy.
Trans. New Zealand Inst.	Transactions of the New Zealand Institute.
Trans. Nova Scotia Inst. Sci.	Transactions of the Nova Scotia Institute of Science.
Trans. Roy. Irish Acad.	Transactions of the Royal Irish Academy.
Trans. Roy. Soc. Canada.	Transactions of the Royal Society of Canada.
Trans. Roy. Soc. Edin.	Transactions of the Royal Society of Edinburgh.
Trans. Roy. Soc. Sth. Africa.	Transactions of the Royal Society of South Africa.
Tsch. Min. Mitt.	Tschermak's Mineralogische Mitteilungen.
U.S. Bureau of Mines, Bull. and Tech. Papers.	United States Bureau of Mines, Bulletins and Technical Papers.
U.S. Bureau Plant Ind.	United States Bureau of Plant Industry.
U.S. Comm. Rept.	United States Commerce Reports, Daily Consular and Trade Reports.
U.S. Dept. Agric. Bull.	United States Department of Agriculture Bulletins.
U.S. Hyg. Labor. Bull.	United States Hygienic Laboratory Bulletins.
U.S. Pat.	United States Patent.
Univ. Illinois Bull.	University of Illinois Bulletins.
Utah Agric. Coll. Exper. Stat. Bull.	Utah Agricultural College Experiment Station Bulletins.
Verh. Geol. Reichsanst. Wien.	Verhandlungen der geologischen Reichsanstalt in Wien.
Verh. Ges. deut. Naturforsch. Aerzte.	Verhandlungen der Gesellschaft deutscher Naturforscher und Aerzte.
Verh. Naturhist. med. Ver. Heidelberg.	Verhandlungen des naturhistorisch-medizinischen Vereins zu Heidelberg.
Verh. Naturhist. Rheinl.	Verhandlungen des naturhistorischen Vereins der preussischen Rheinlande und Westfalens.
Verh. Physiol. Ges. Berlin.	Verhandlungen der Physiologischen Gesellschaft zu Berlin.
Verh. Schweiz. Nat. Ges.	Verhandlungen der Schweizerischen Naturforschenden Gesellschaft, Basel.
Vict. Mem. Mus. Geol. Survey, Canada.	Victoria Memorial Museum Geological Survey of Canada, Bulletin.
Videnskab. Skrifter	Skrifter udgivne af Videnskabselskabet i Kristiania.
Wiener Klin. Woch.	Wiener Klinische Wochenschrift.
Wiss. Abhandl. Physikal.-Tech. Reichsanst.	Wissenschaftliche Abhandlungen der Physikalisch-Technischen Reichsanstalt.
Wochbl. Papierfabr.	Wochenblatt für Papierfabrikation.
Woch. f. Bran.	Wochenschrift für Brauerei.
*Yakugakuzasshi (J. Pharm. Soc. Japan).	Yakugakuzasshi (Journal of the Pharmaceutical Society of Japan).
Z. allg. Physiol.	Zeitschrift für allgemeine Physiologie.
*Z. anal. Chem.	Zeitschrift für analytische Chemie.
*Z. angew. Chem.	Zeitschrift für angewandte Chemie.
*Z. anorg. Chem.	Zeitschrift für anorganische und allgemeine Chemie.
Z. Biol.	Zeitschrift für Biologie.
Z. deut. Geol. Ges.	Zeitschrift der deutschen Geologischen Gesellschaft.
Z. deut. Oel-Fett Ind.	Zeitschrift des deutschen Oel- und Fett-Industrie.
*Z. Elektrochem.	Zeitschrift für Elektrochemie.
Z. exp. Path. Ther.	Zeitschrift für experimentelle Pathologie und Therapie.

ABBREVIATED TITLE.	JOURNAL.
<i>Z. ges. Branw.</i> . . .	Zeitschrift für das gesamte Brauwesen.
<i>Z. ges. exp. Med.</i> . . .	Zeitschrift für die gesamte experimentelle Medizin.
<i>Z. ges. Schiess- u. Sprengstoffw.</i> . . .	Zeitschrift für das gesamte Schiess- und Sprengstoffwesen.
<i>Z. Hyg.</i> . . .	Zeitschrift für Hygiene und Infektionskrankheiten.
<i>Z. Immunol.</i> . . .	Zeitschrift für Immunitätsforschung und experimentelle Therapie.
<i>Z. Instrument.</i> . . .	Zeitschrift für Instrumentenkunde.
<i>Z. Kryst. Min.</i> . . .	Zeitschrift für Kristallographie und Mineralogie.
<i>Z. öffentl. Chem.</i> . . .	Zeitschrift für öffentliche Chemie.
<i>Z. Physik.</i> . . .	Zeitschrift für Physik.
<i>*Z. physikal. Chem.</i> . . .	Zeitschrift für physikalische Chemie, Stöchiometrie und Verwandtschaftslehre.
<i>Z. physikal. Chem. Unterr.</i>	Zeitschrift für den physikalischen und Chemischen Unterricht.
<i>Z. physiol. Chem.</i> . . .	Hoppe-Seyler's Zeitschrift für physiologische Chemie.
<i>Z. prakt. Geol.</i> . . .	Zeitschrift für praktische Geologie.
<i>*Z. Sauerstoff Stickstoff Ind.</i>	Zeitschrift für Sauerstoff und Stickstoff Industrie.
<i>*Z. Spiritusind.</i> . . .	Zeitschrift für Spiritusindustrie.
<i>Z. Unters. Nahr. Genussm.</i>	Zeitschrift für Untersuchung der Nahrungs- und Genussmittel.
<i>Z. Ver. dent. Zuckerind.</i>	Zeitschrift des Vereins der deutschen Zucker-Industrie.
<i>Z. wiss. Mikrosk.</i> . . .	Zeitschrift für wissenschaftliche Mikroskopie und mikroskopische Technik.
<i>*Z. wiss. Photochem.</i> . . .	Zeitschrift für wissenschaftliche Photographie, Photo-physik und Photochemie.
<i>*Z. Zuckerind. Cechoslov.</i>	Zeitschrift für Zuckerindustrie der Cechoslovakischen Republik.
<i>Zentr. Zuckerind.</i> . . .	Zentralblatt für Zuckerindustrie.

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